

1 / 5 6

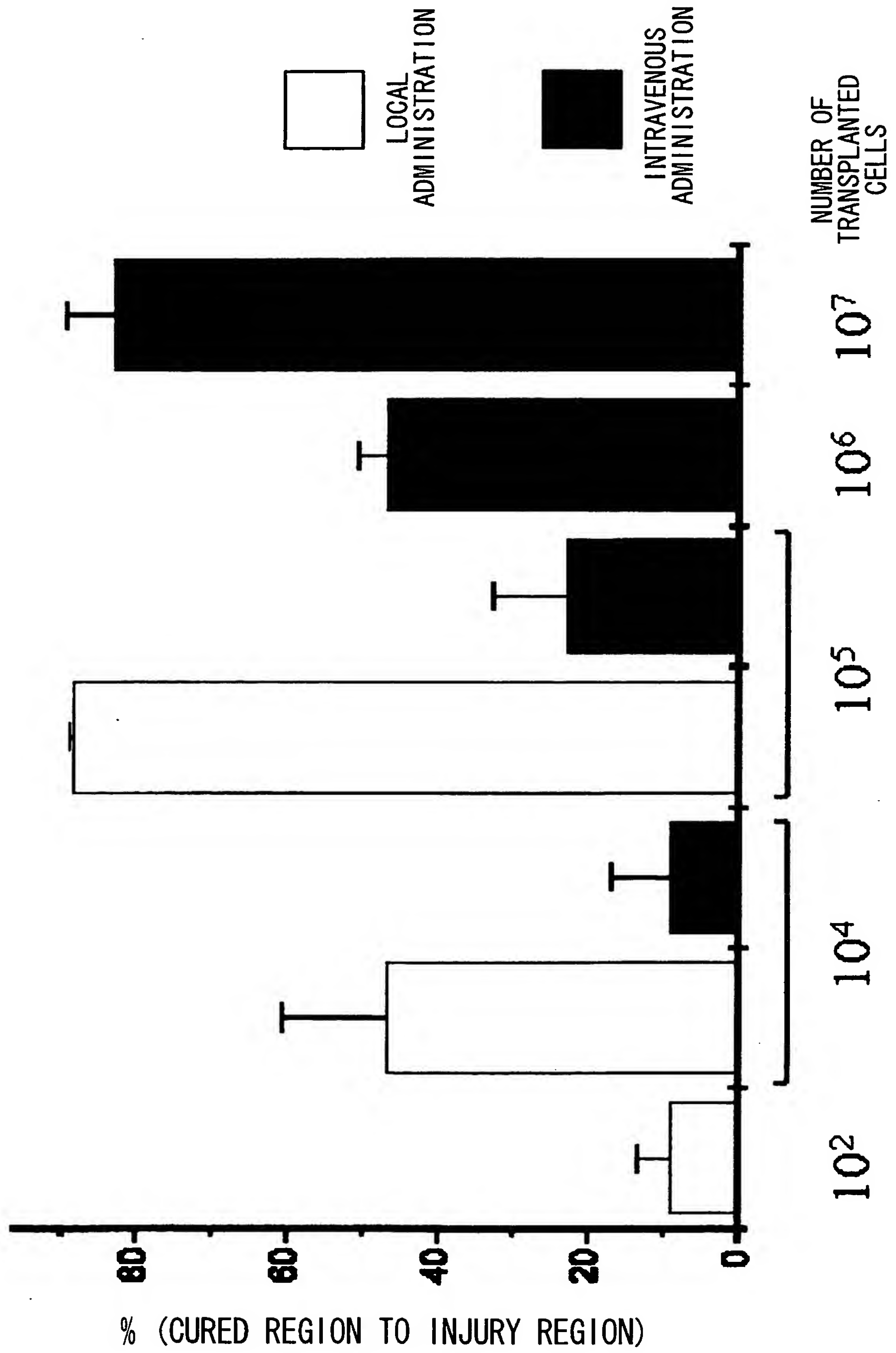
FIG. 1



BEST AVAILABLE COPY

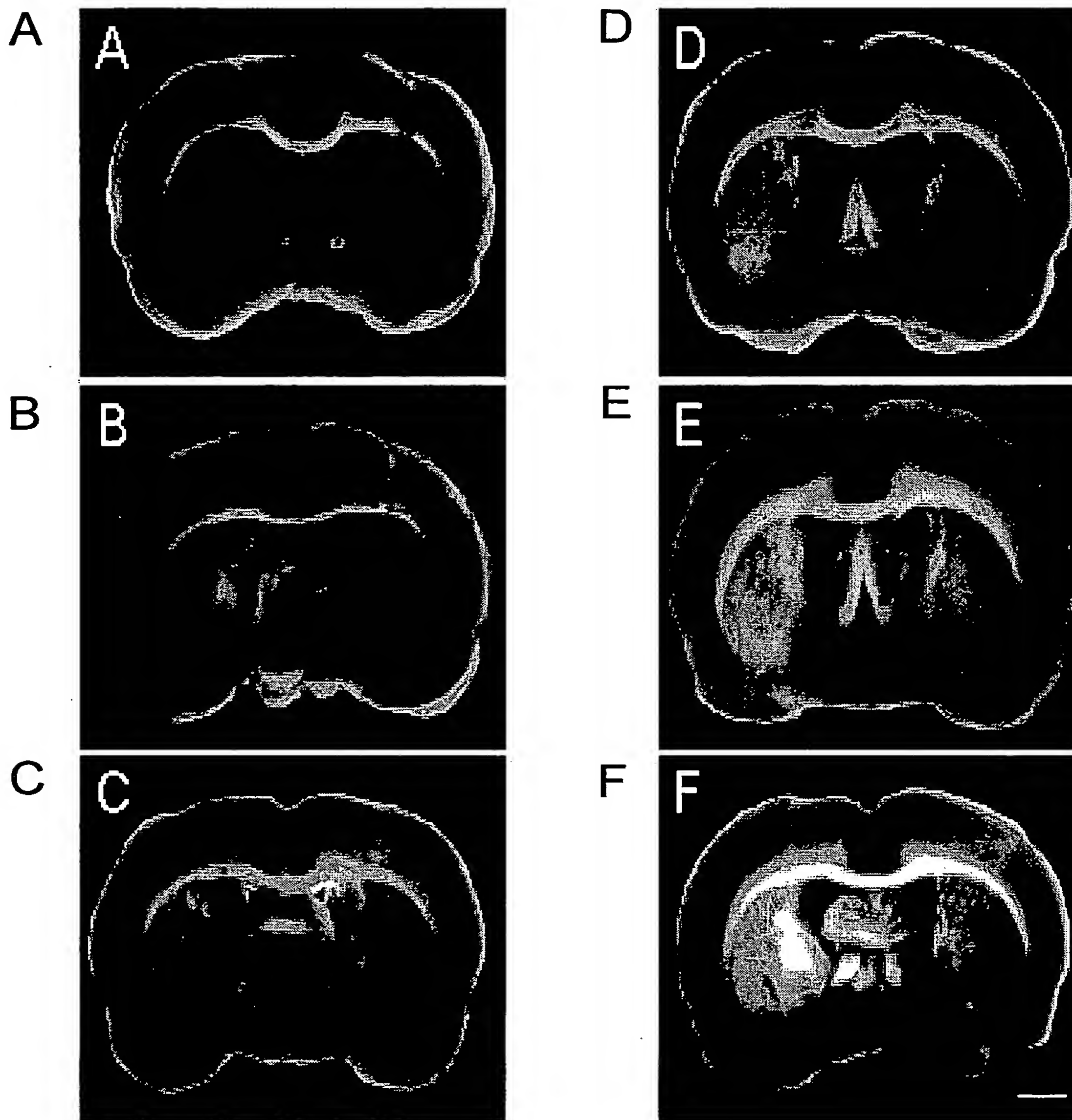
2 / 5 6

FIG. 2



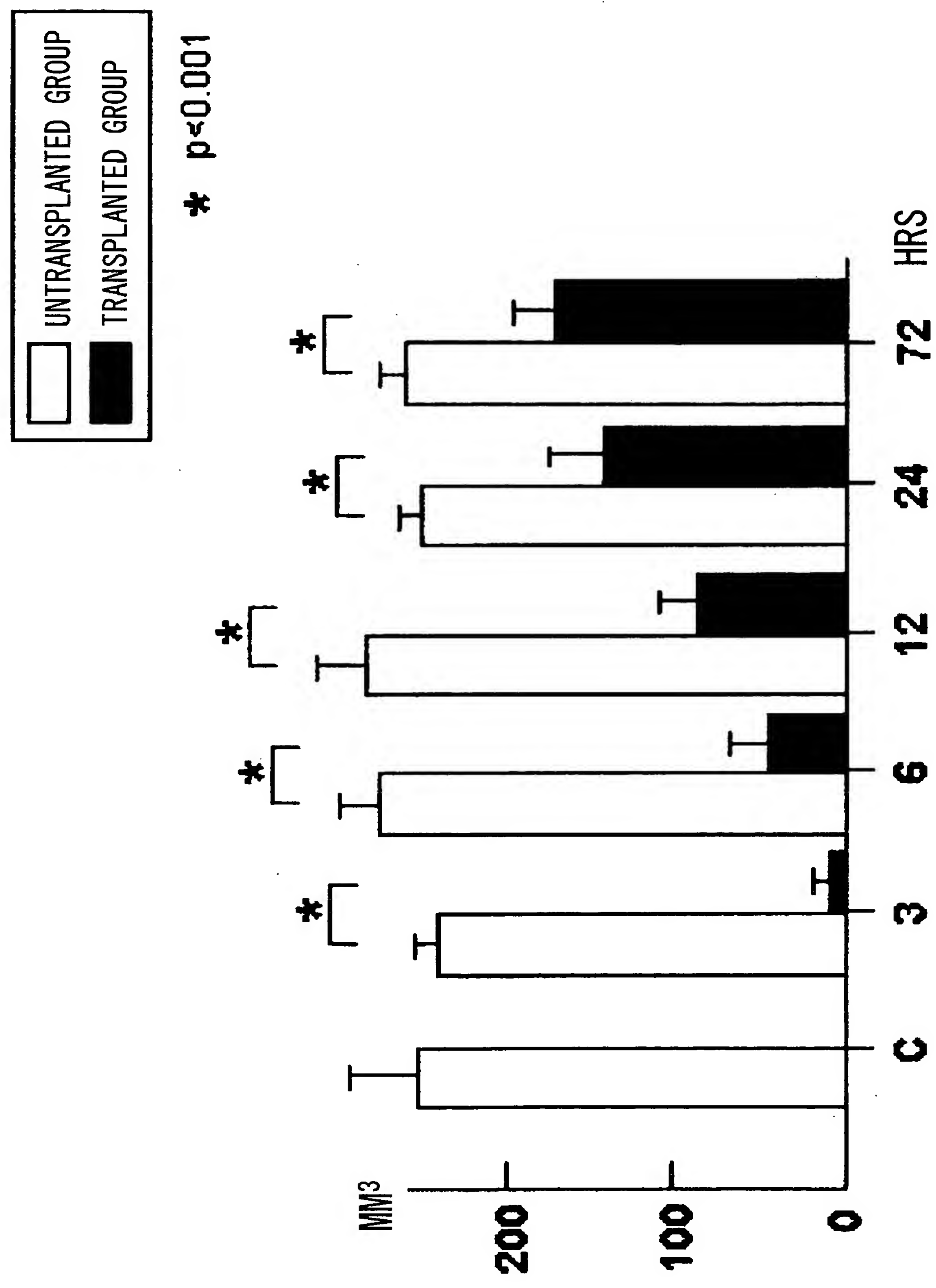
3 / 5 6

FIG. 3



BEST AVAILABLE COPY

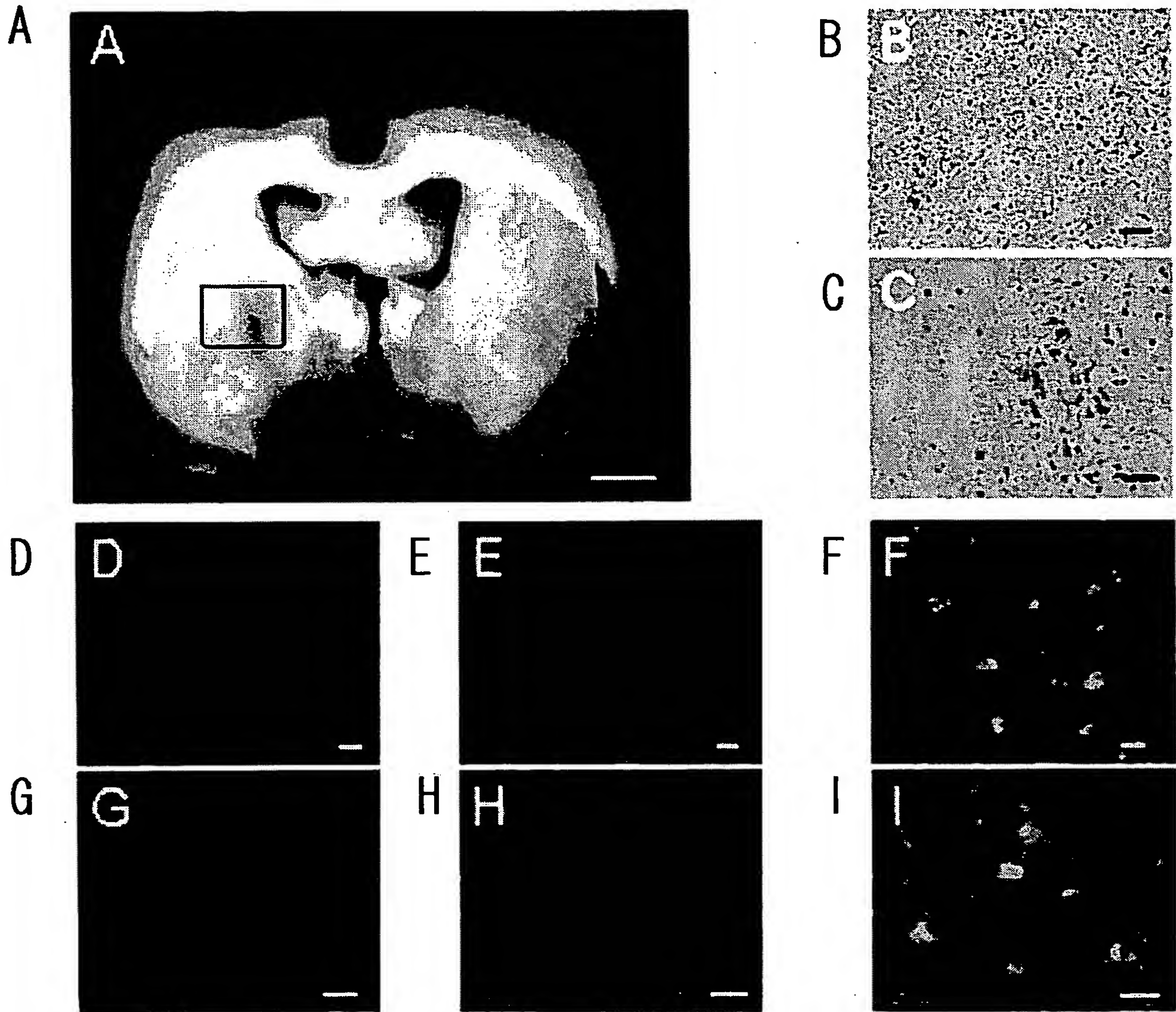
FIG. 4





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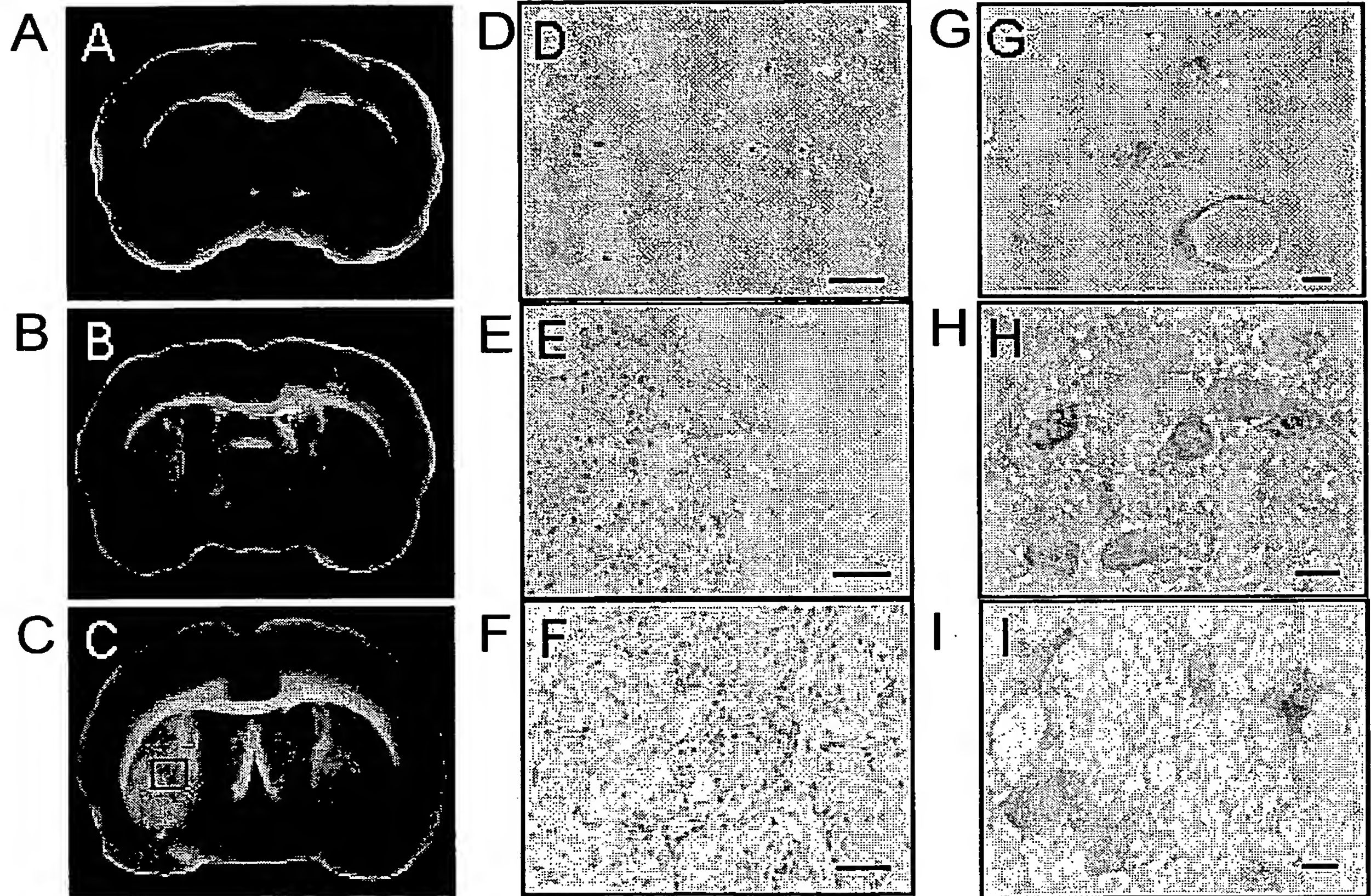
FIG. 5



BEST AVAILABLE COPY

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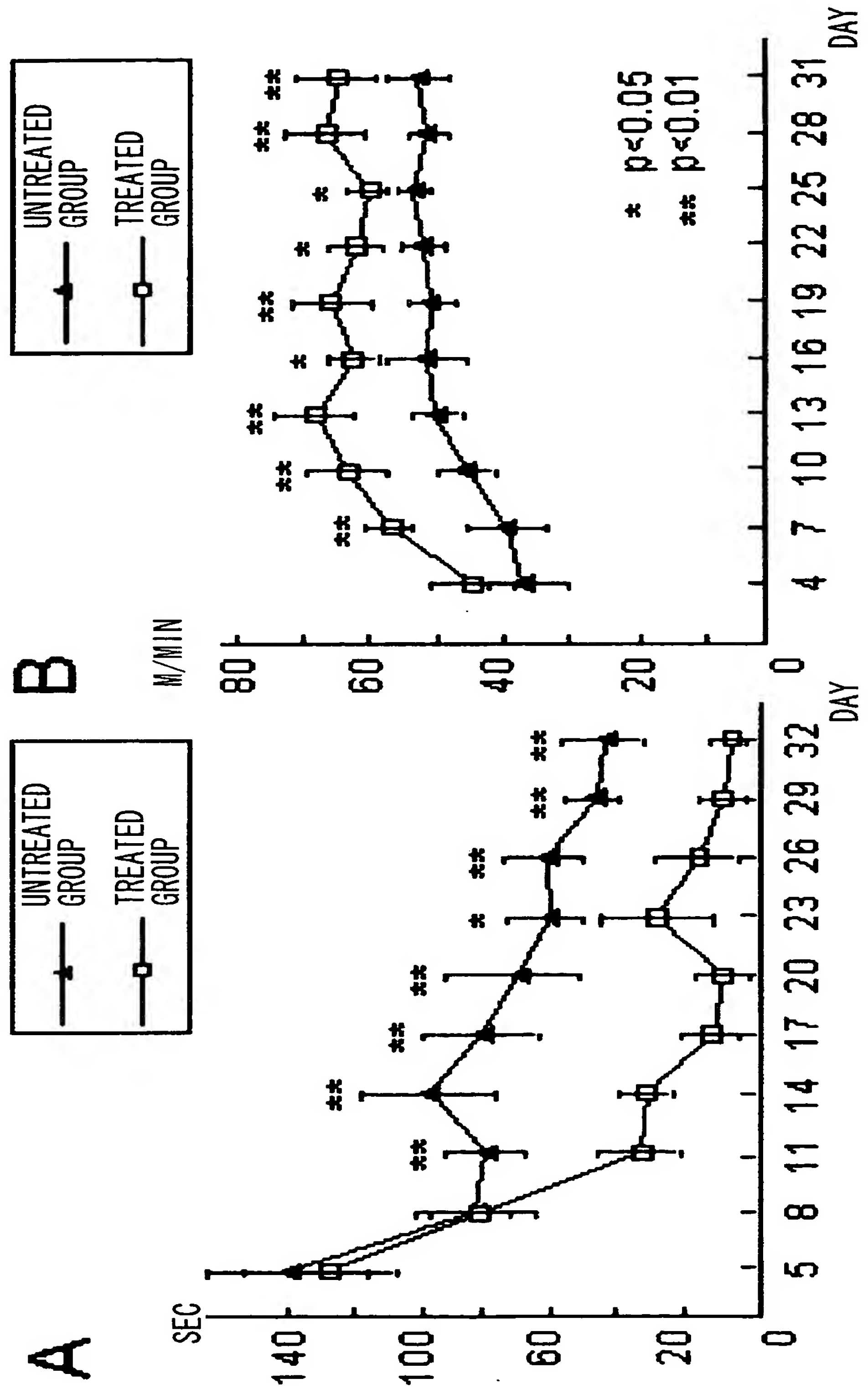
# FIG. 6



BEST AVAILABLE COPY

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FIG. 7





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FIG. 8

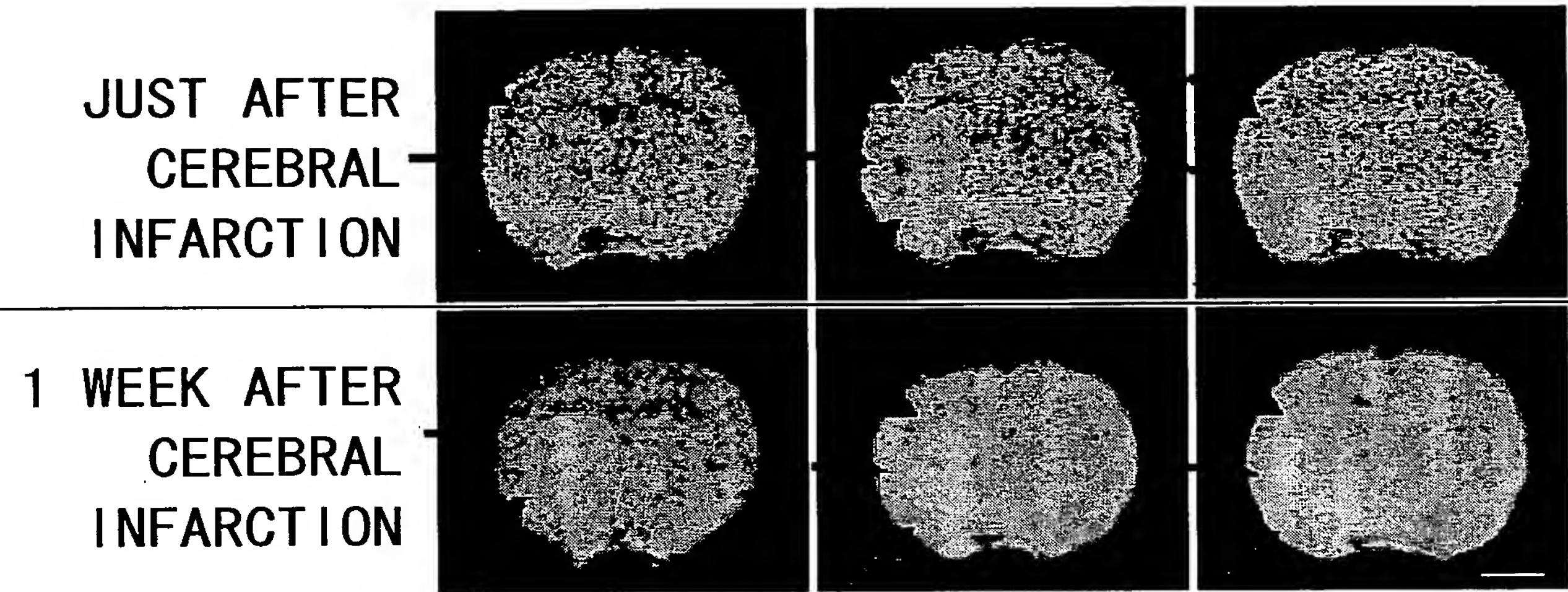
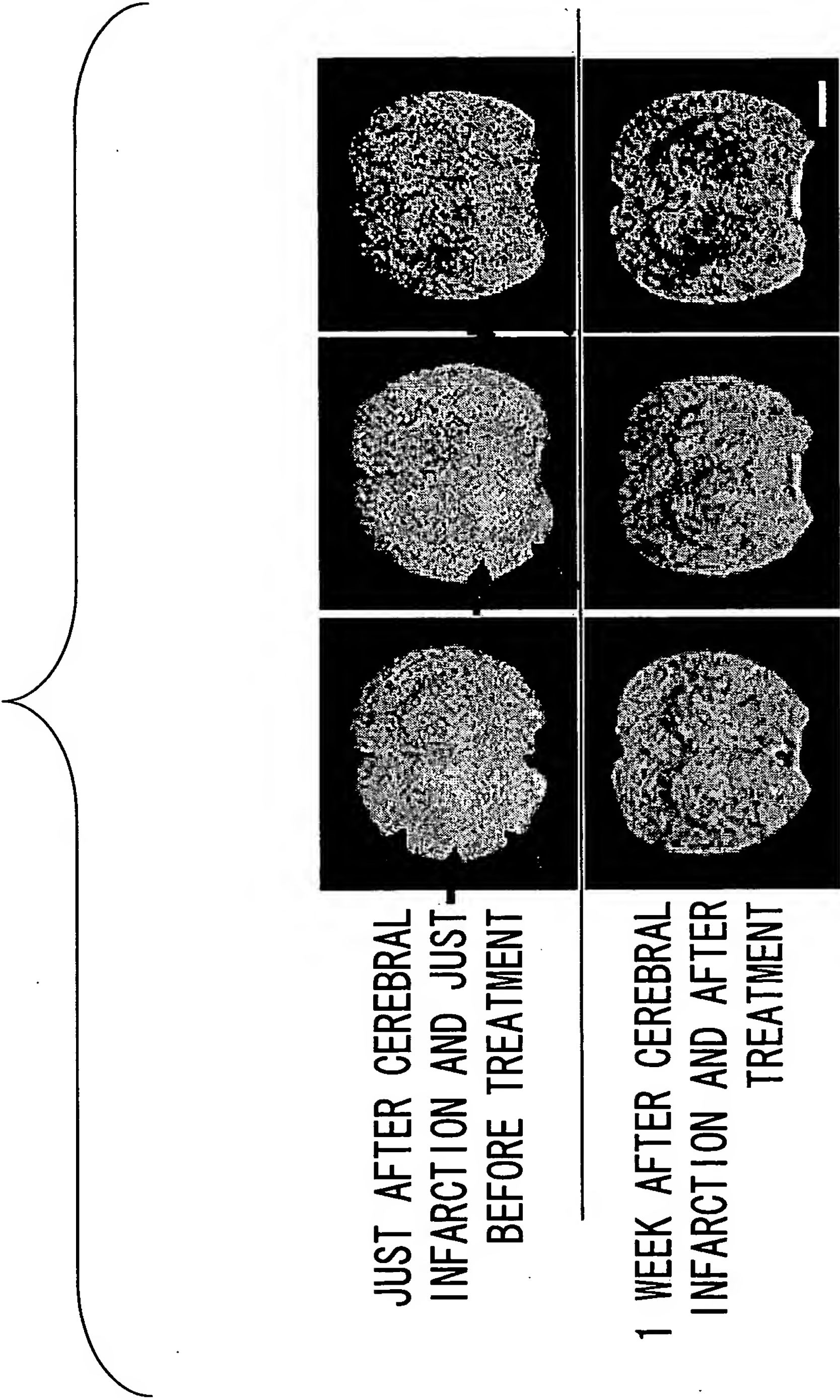


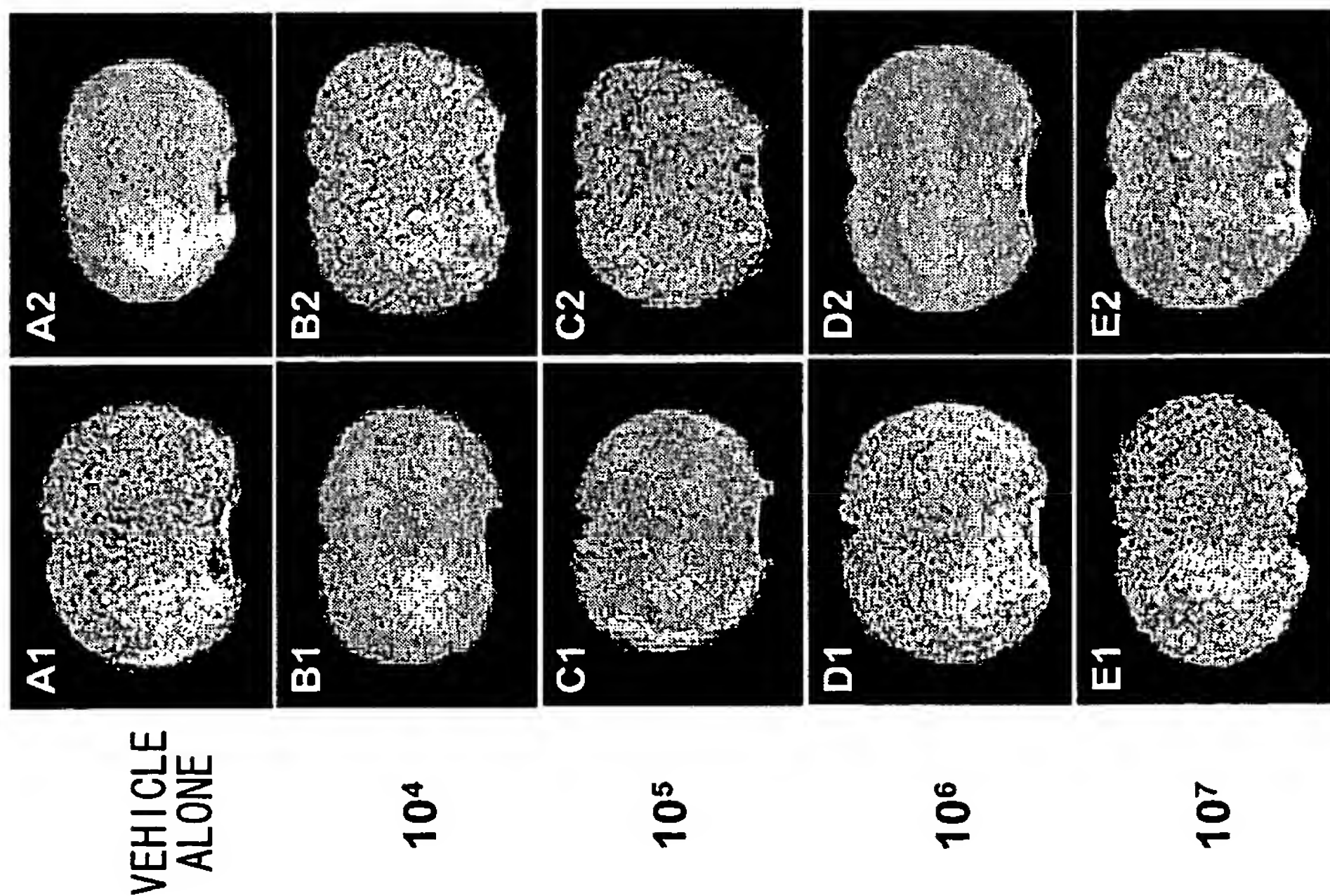
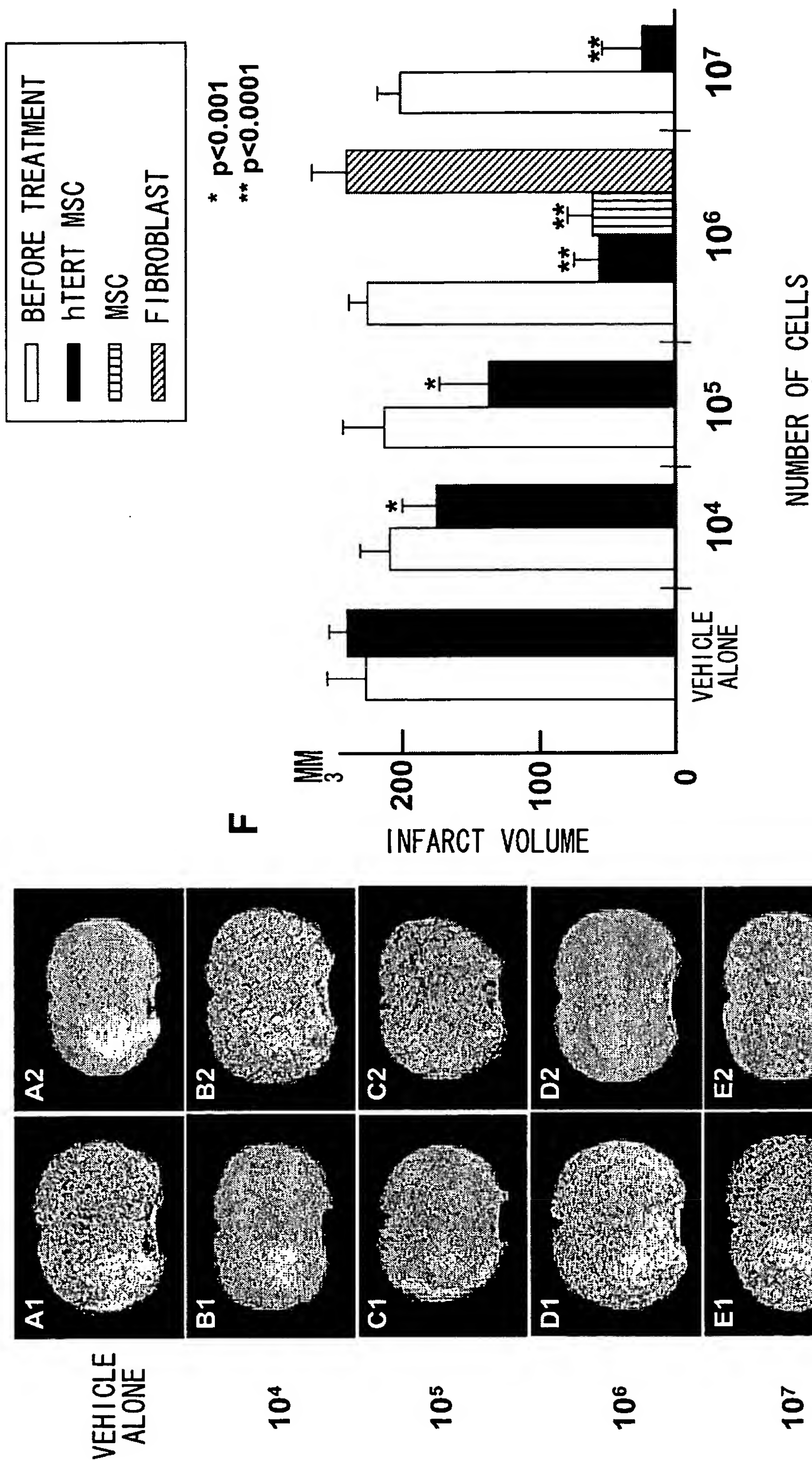


FIG. 9



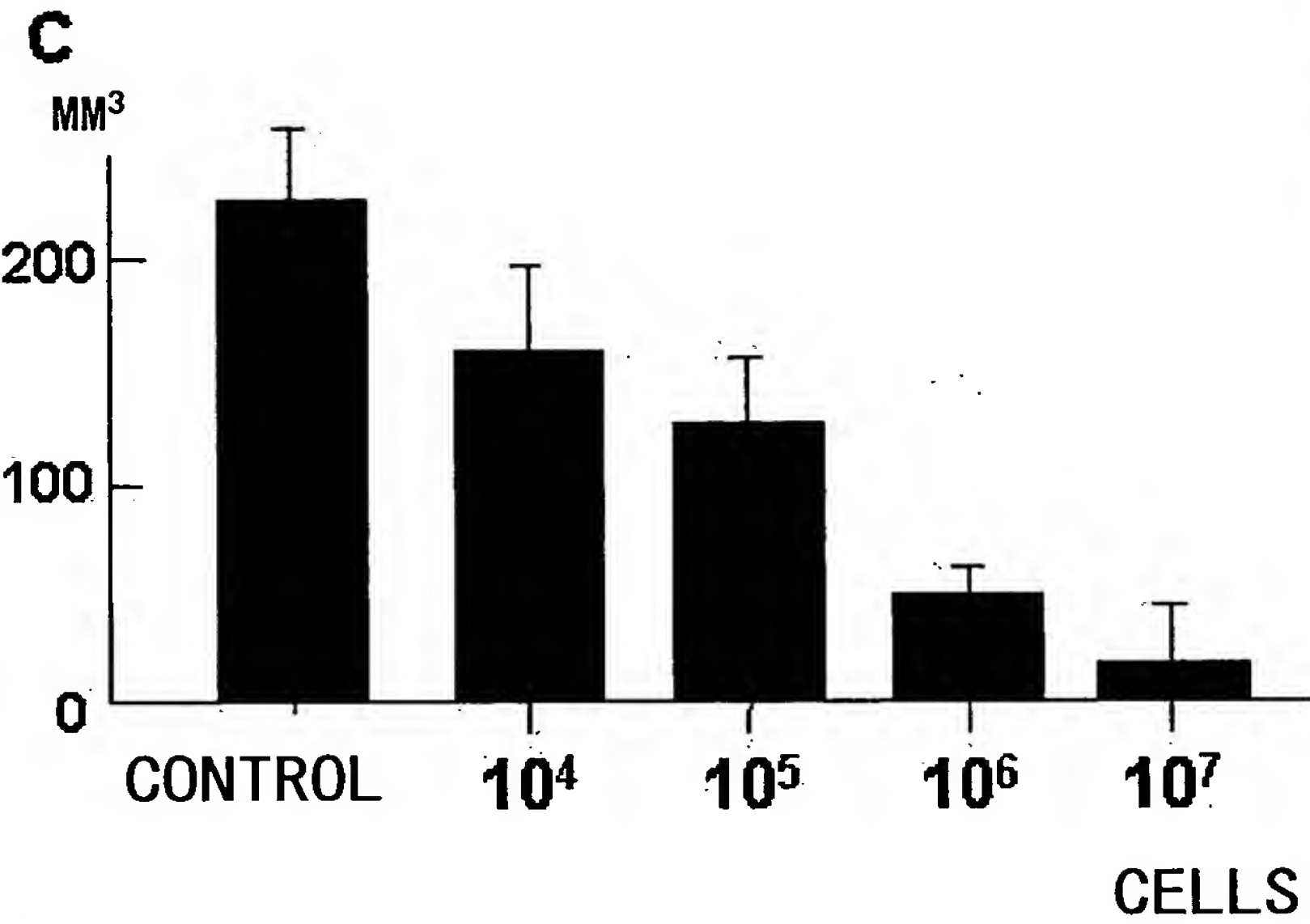
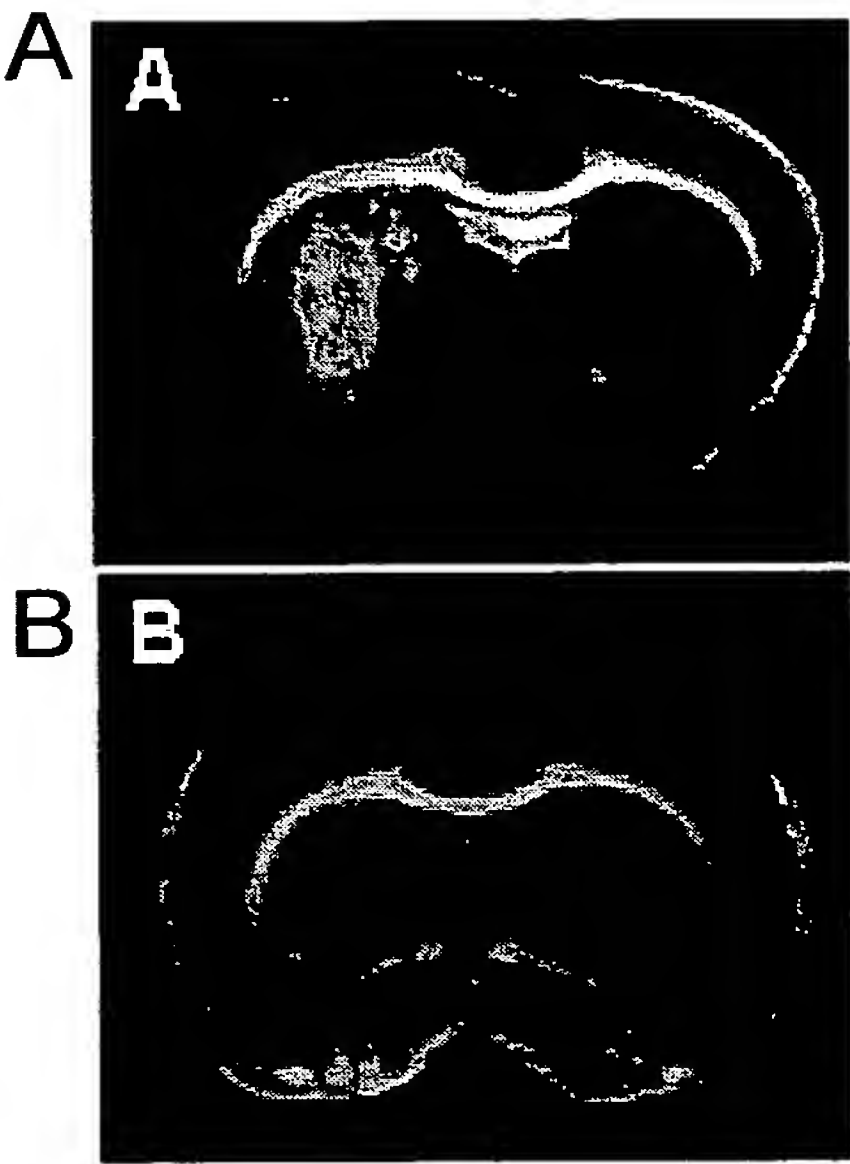
10 / 56

FIG. 10



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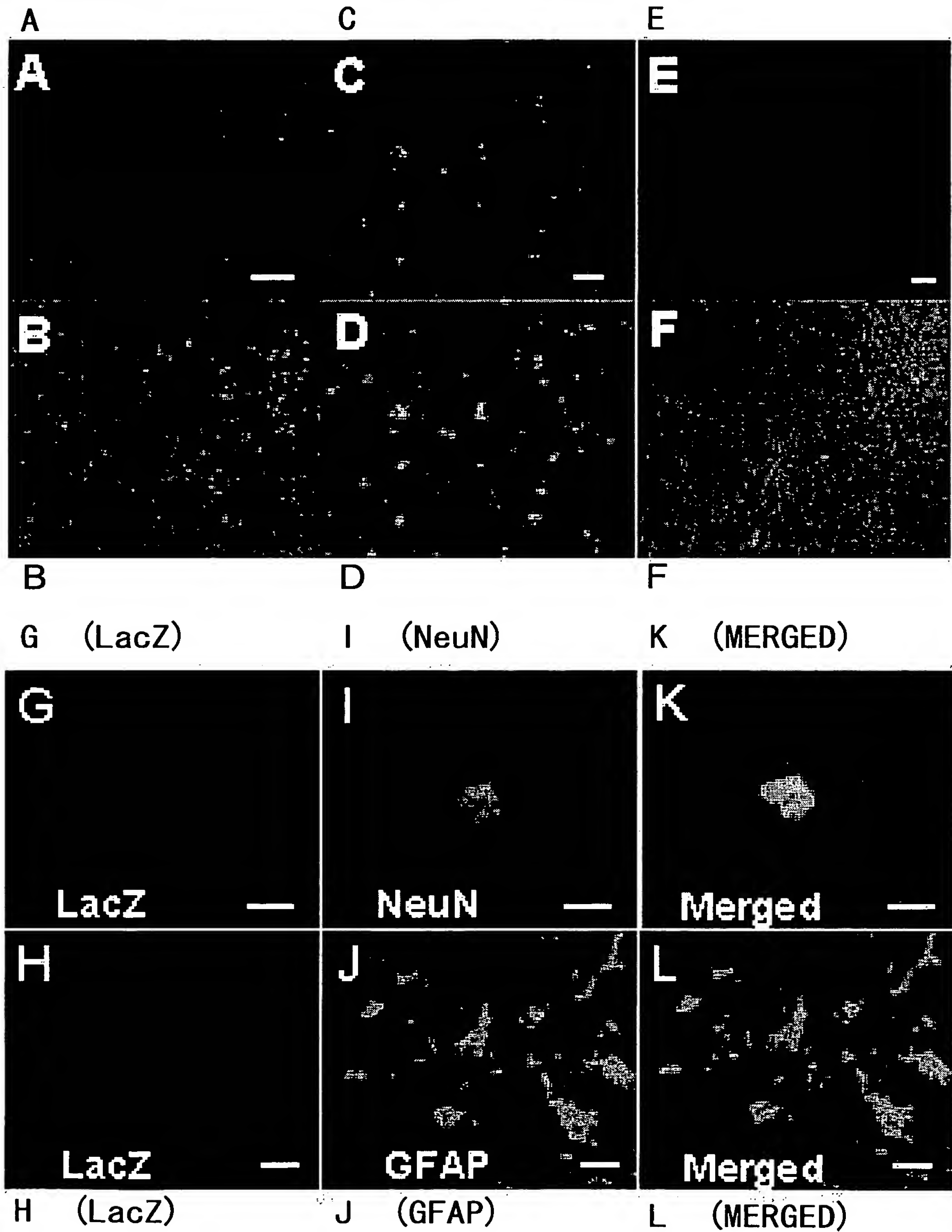
FIG. 11



BEST AVAILABLE COPY

1 2 / 5 6

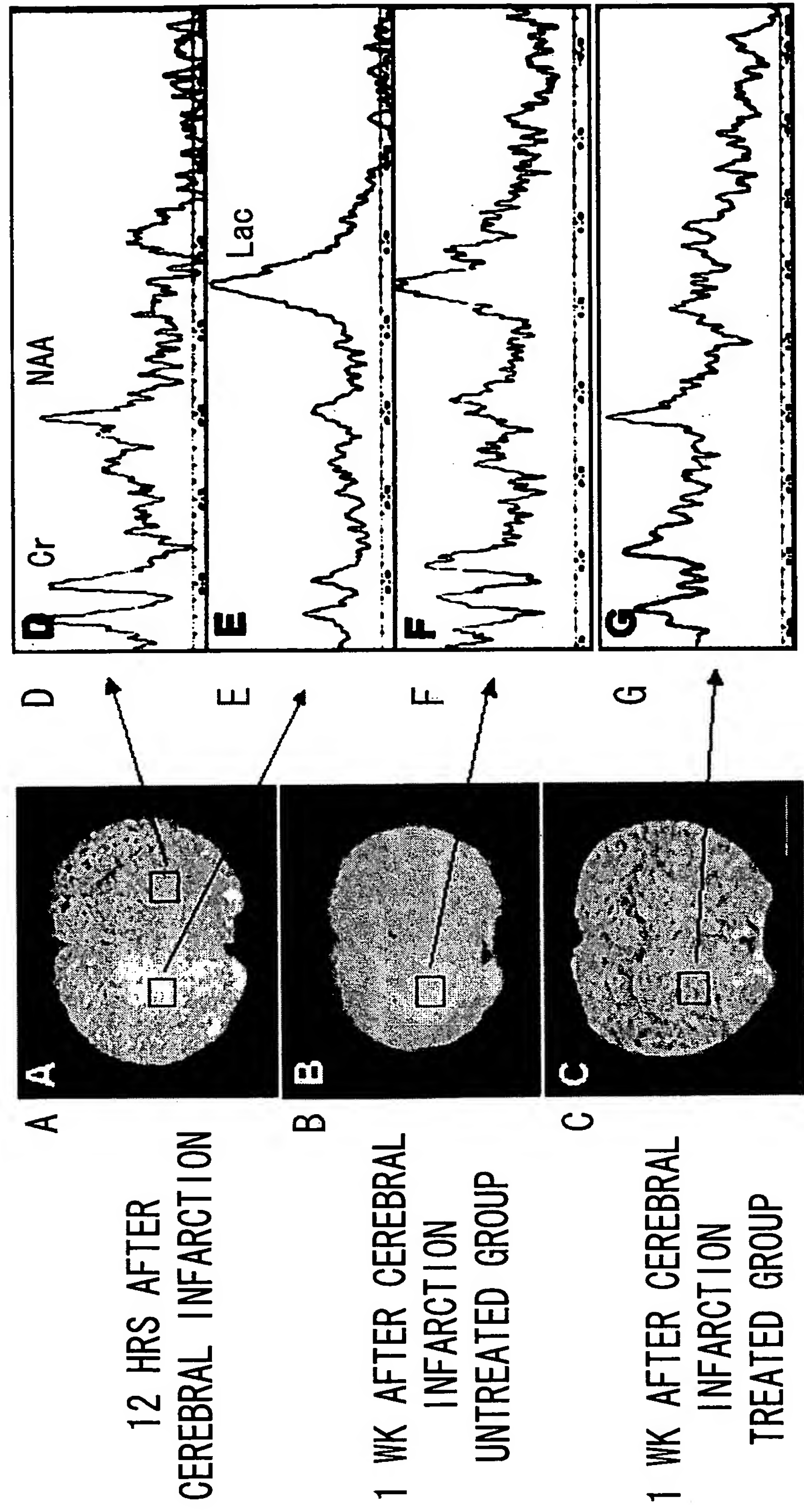
FIG. 12



BEST AVAILABLE COPY

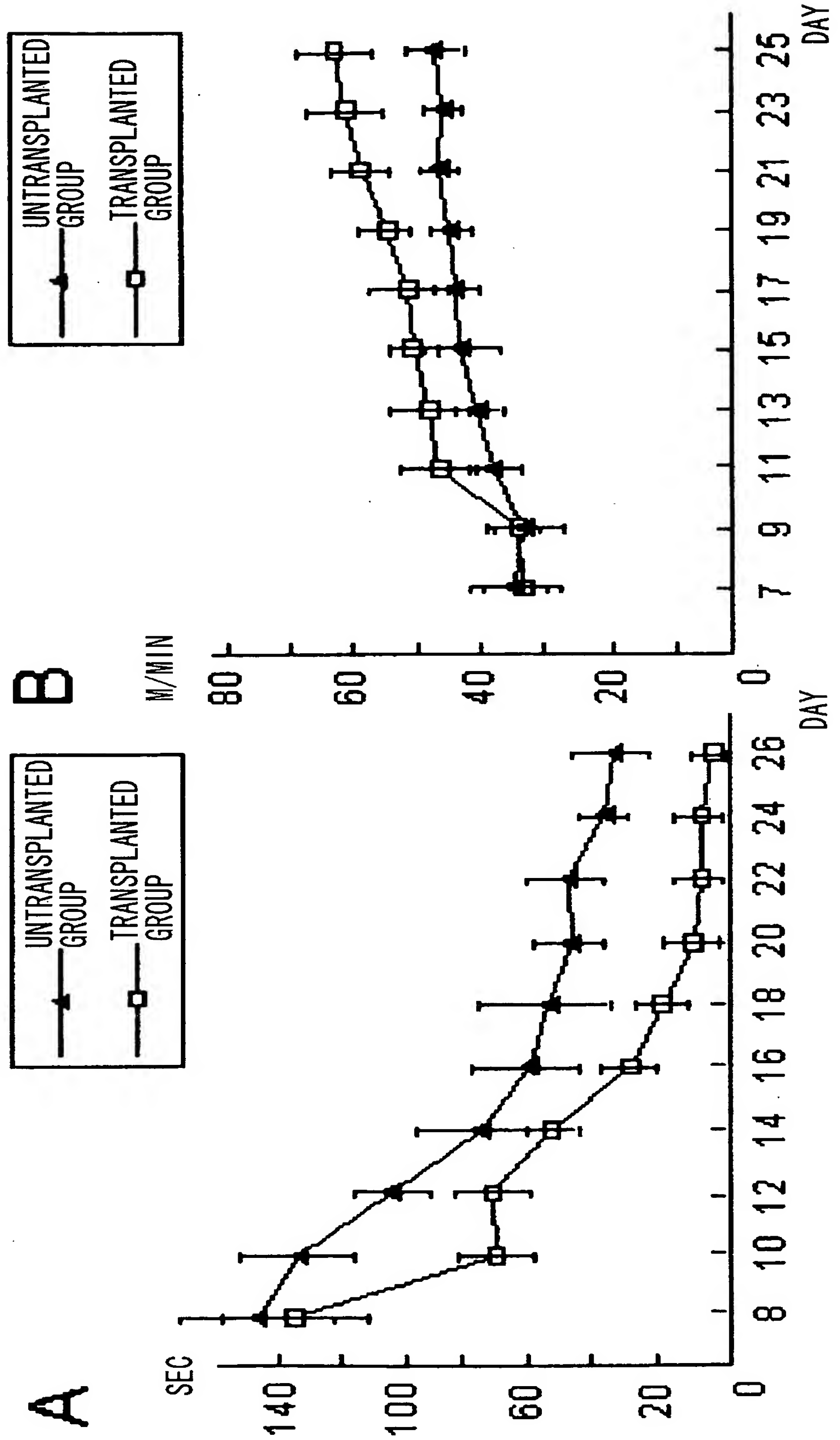


FIG. 13



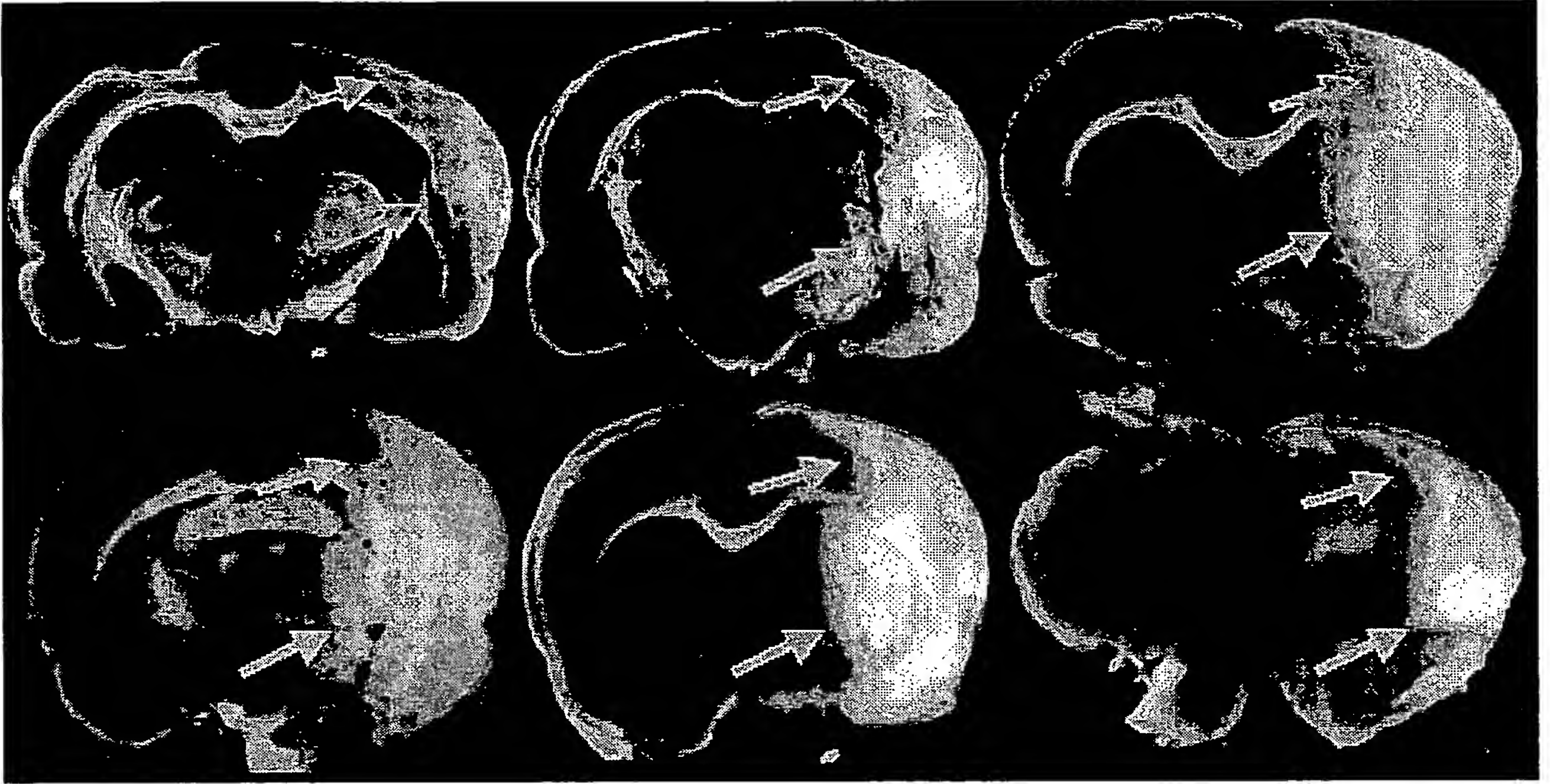
1 4 / 5 6

FIG. 14



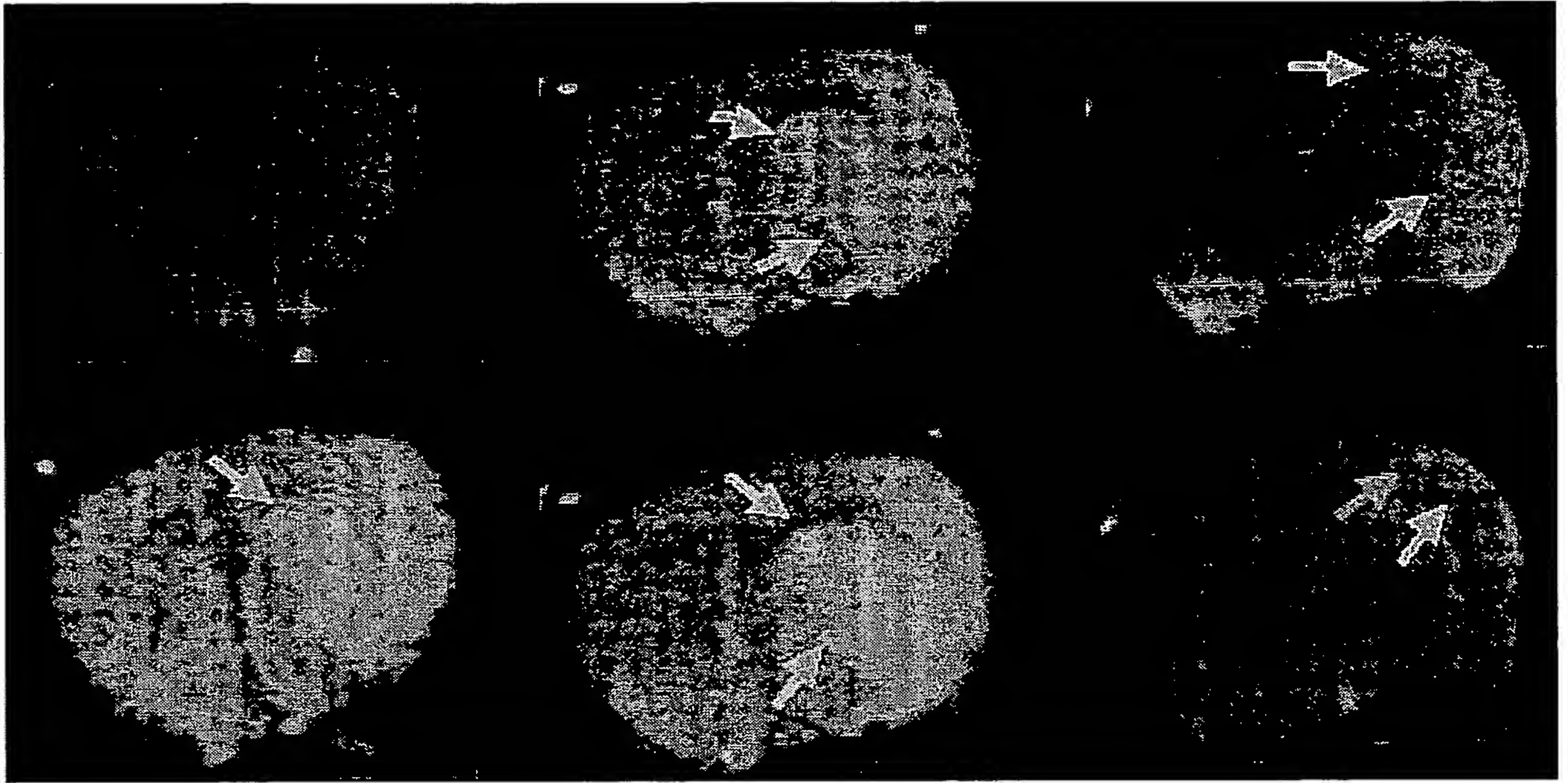
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FIG. 15



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FIG. 16

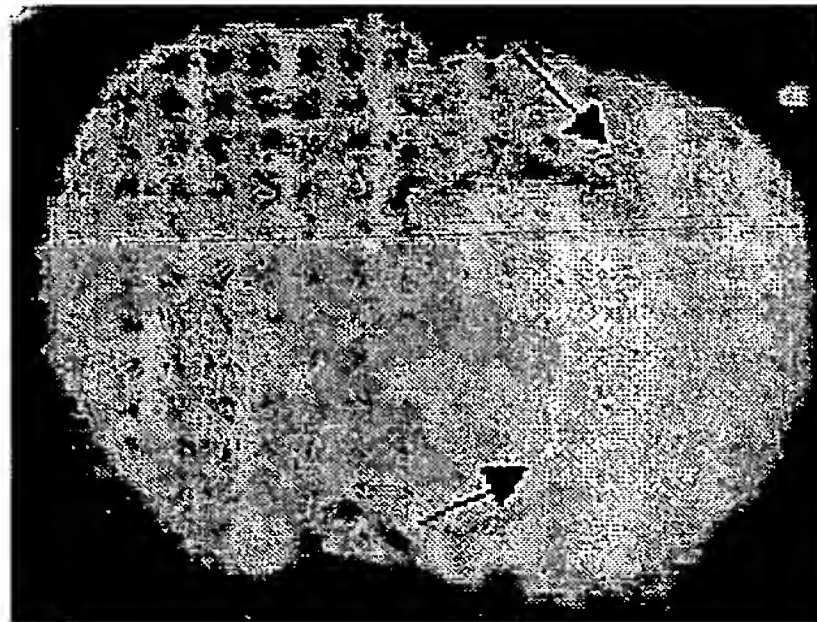




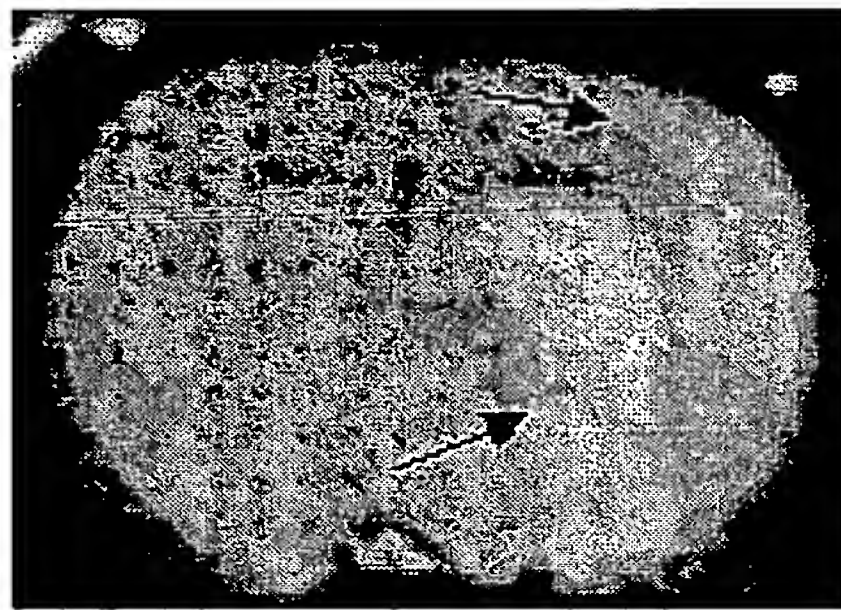
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# FIG. 17

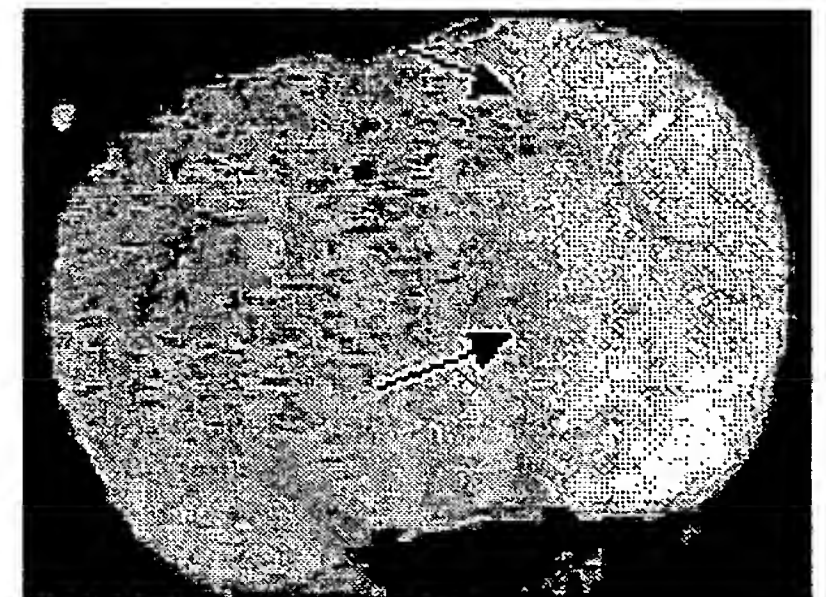
12 HRS LATER



3 DAYS LATER

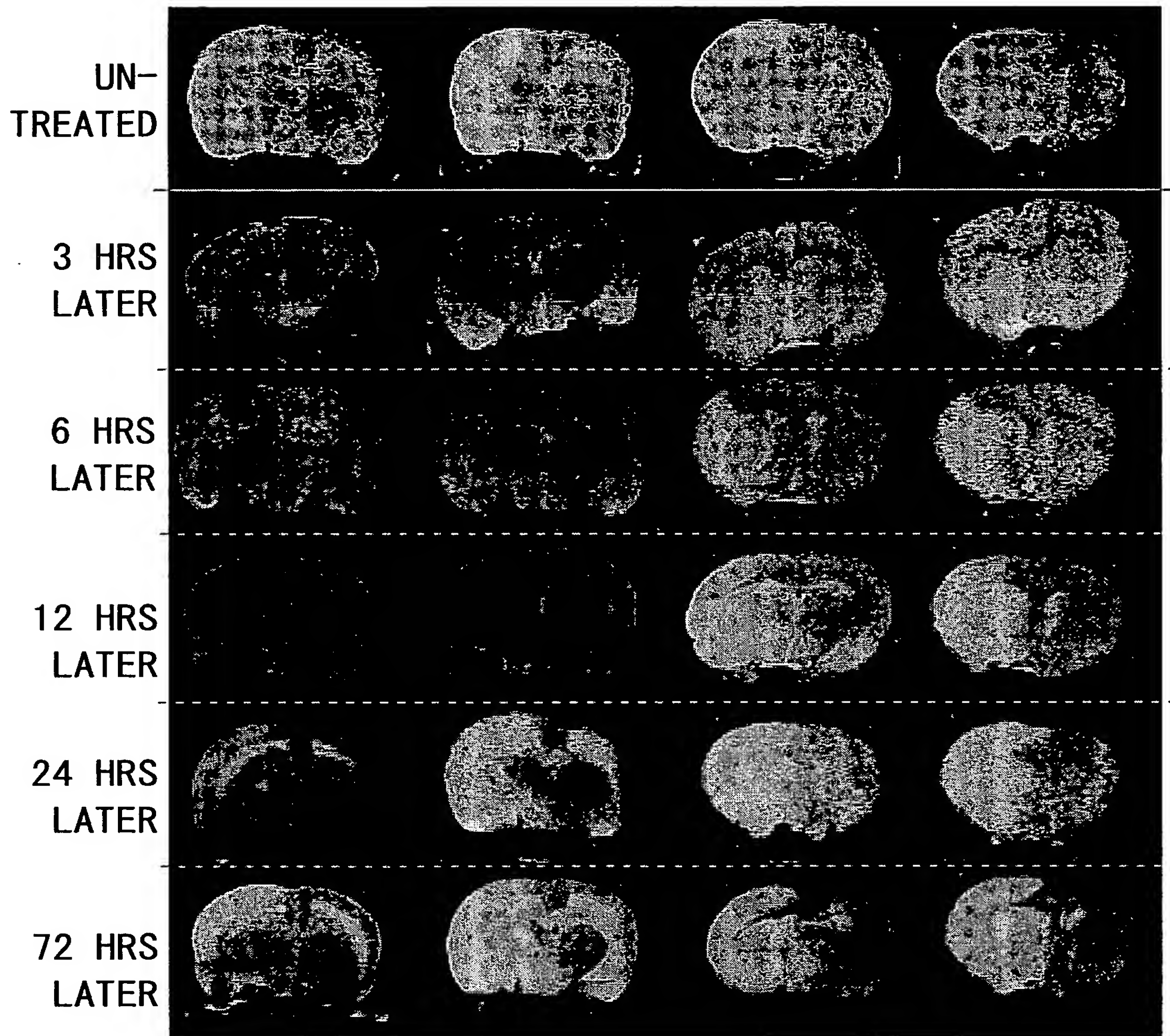


7 DAYS LATER



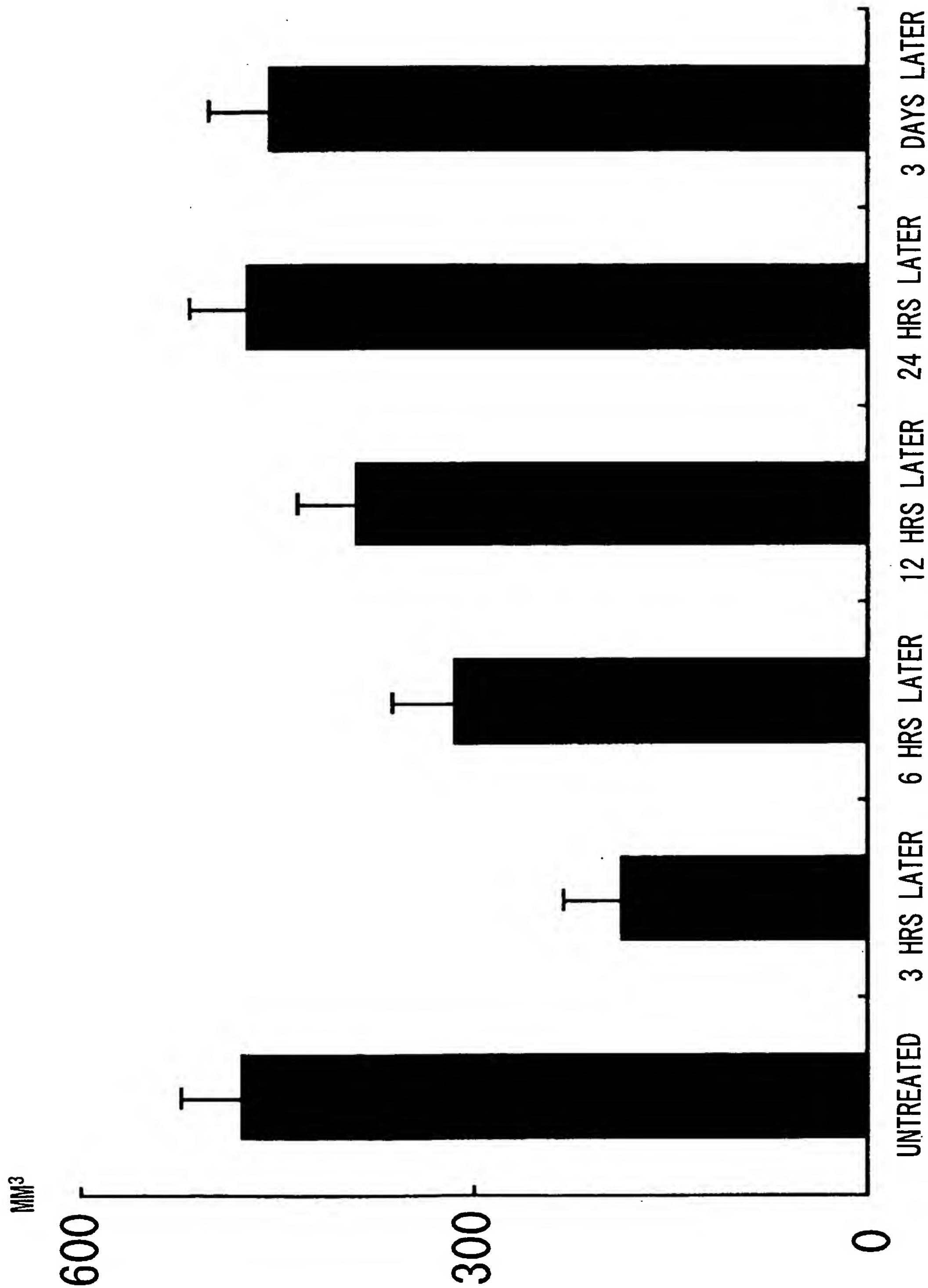
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FIG. 18



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FIG. 19



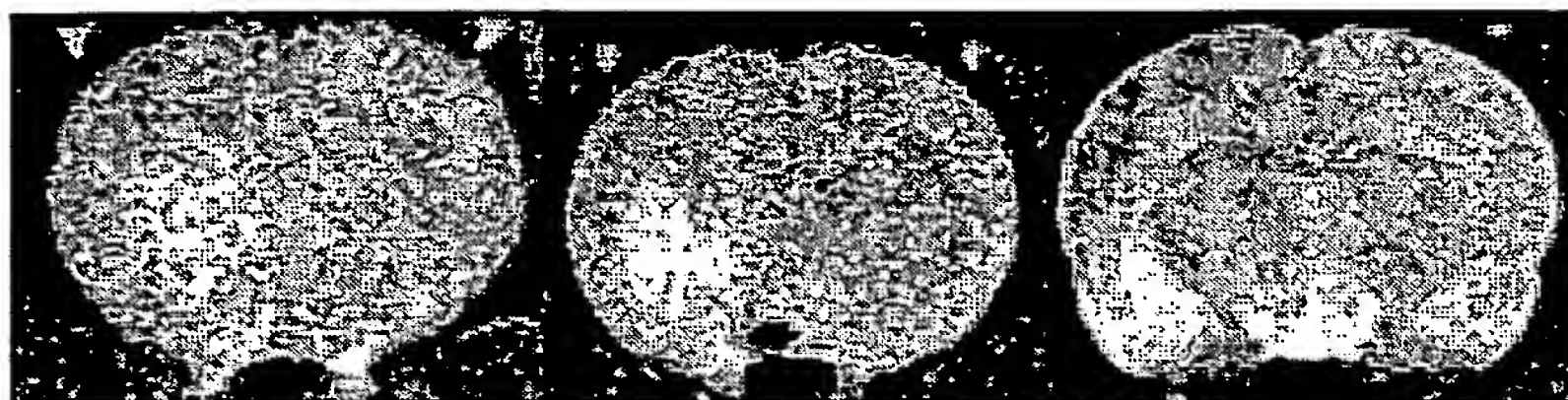


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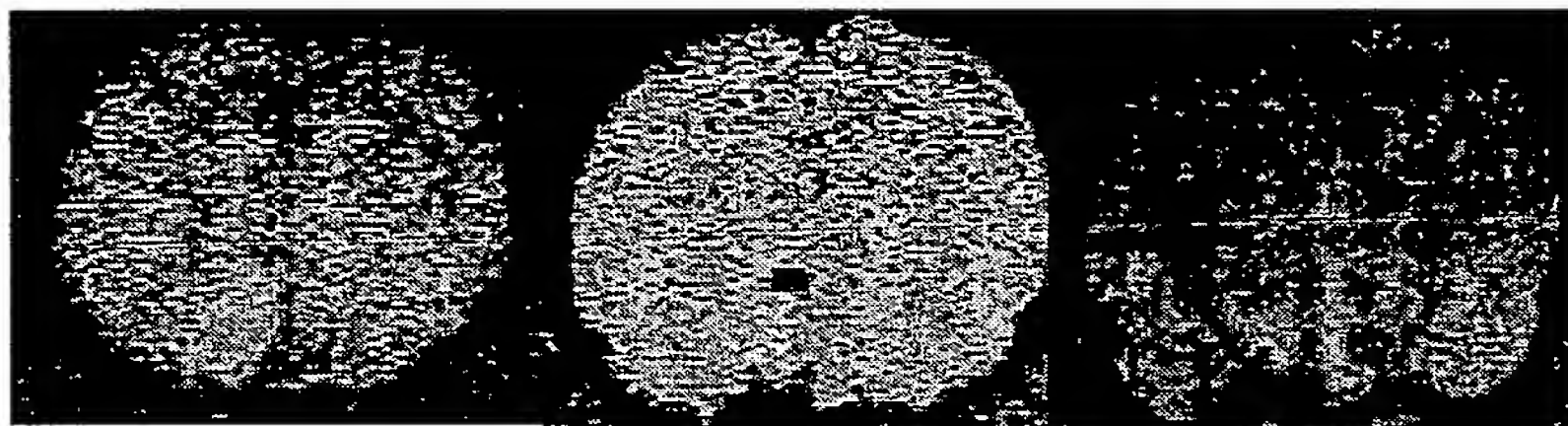
## FIG. 20

BEST AVAILABLE COPY

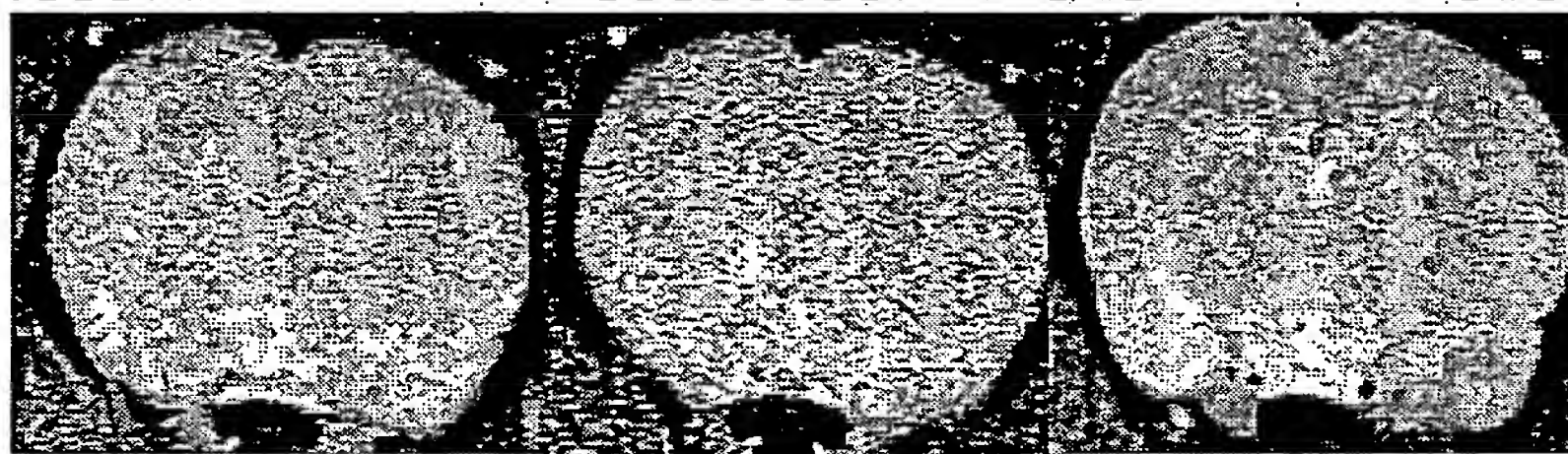
6 HRS AFTER  
CEREBRAL INFARCTION,  
3 HRS AFTER  
TRANSPLANT



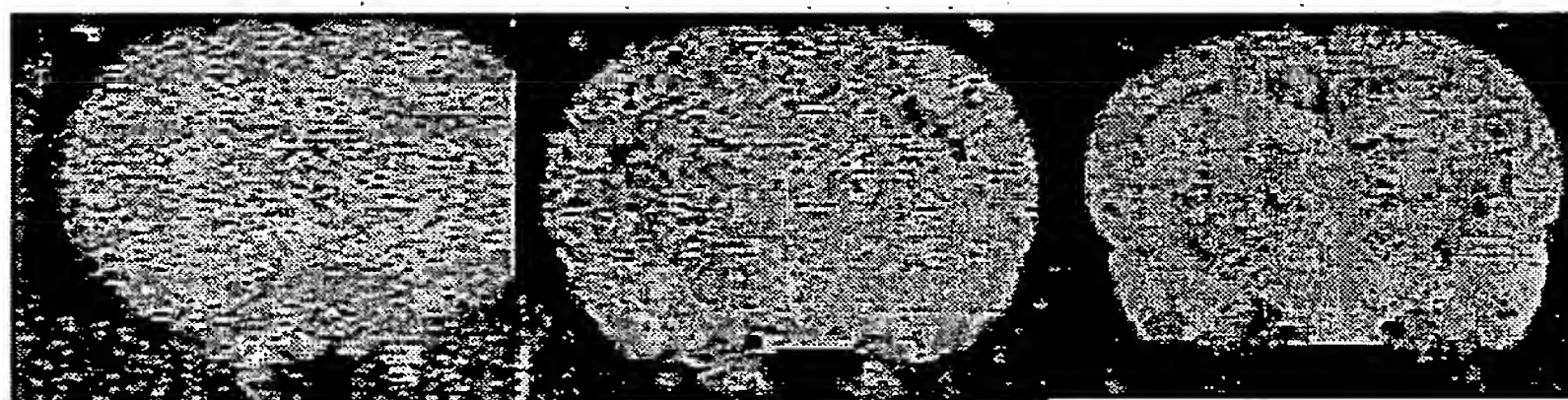
24 HRS AFTER  
CEREBRAL INFARCTION,  
21 HRS AFTER  
TRANSPLANT



1 WEEK LATER



2 WEEKS LATER

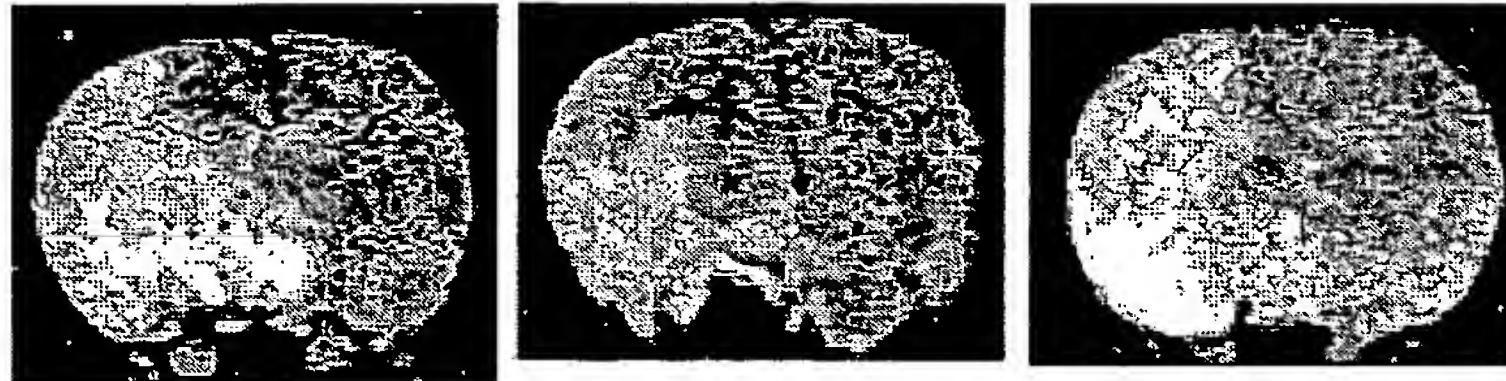




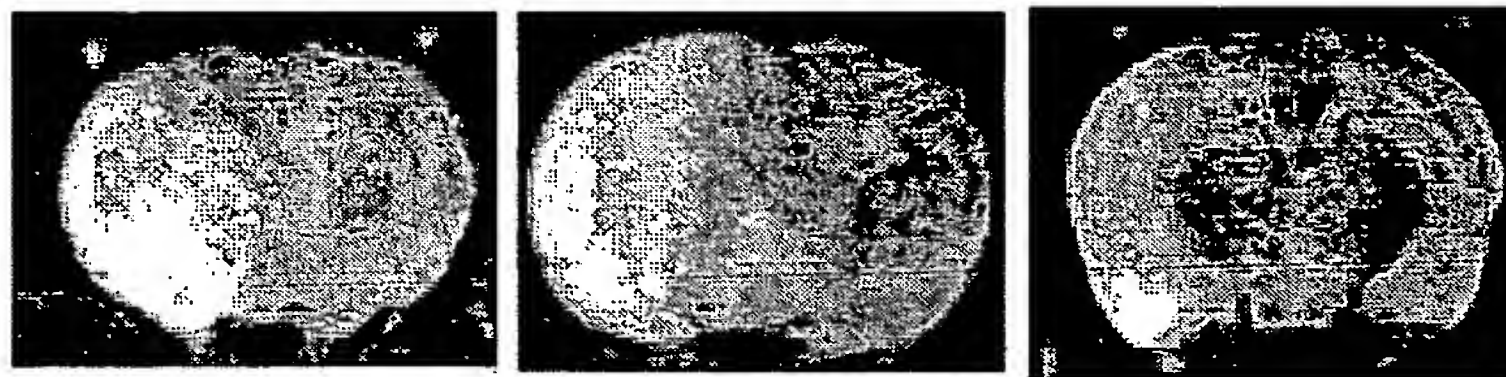
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## FIG. 21

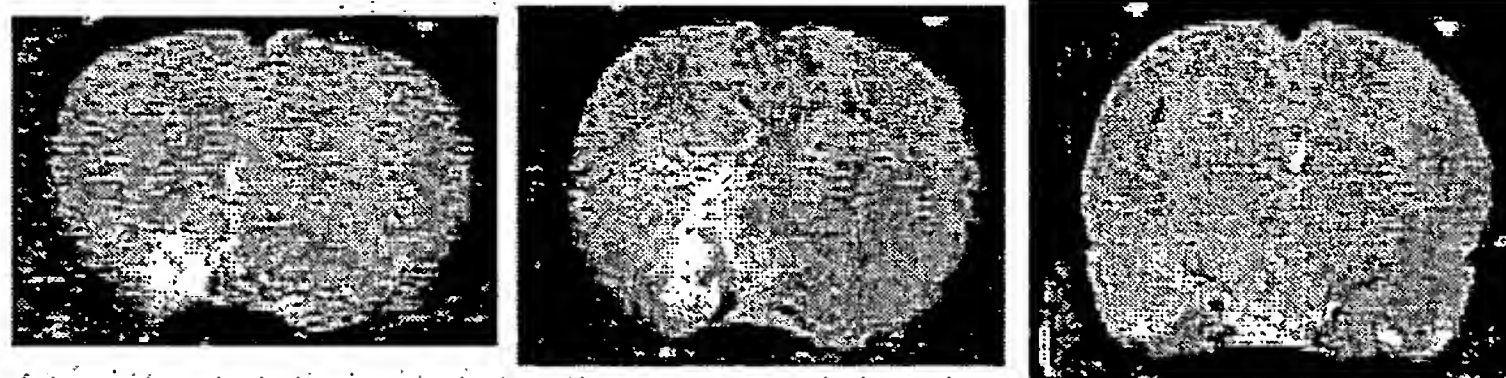
6 HRS AFTER CEREBRAL  
INFARCTION, JUST  
BEFORE TRANSPLANT



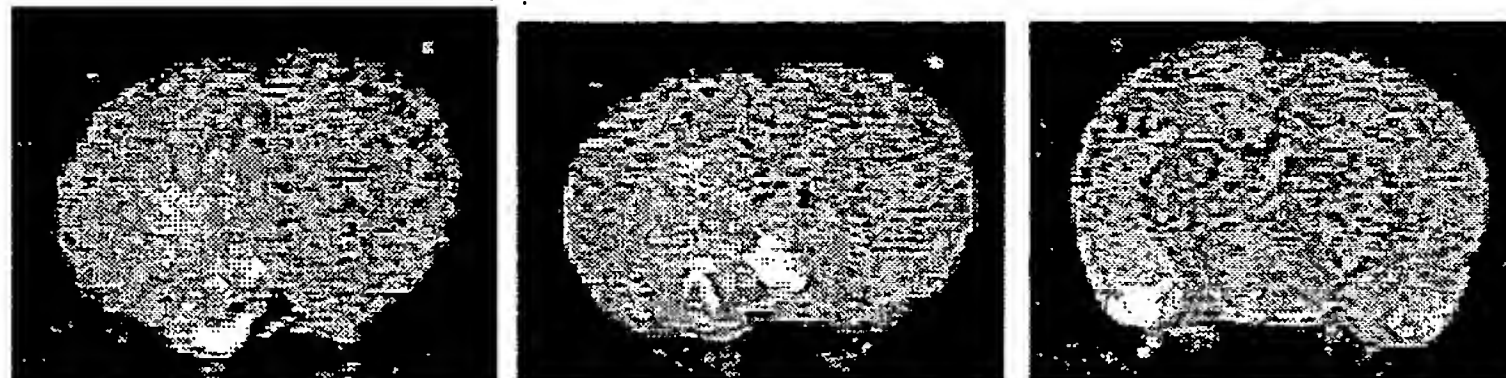
24 HRS AFTER CEREBRAL  
INFARCTION, 18 HRS  
AFTER TRANSPLANT



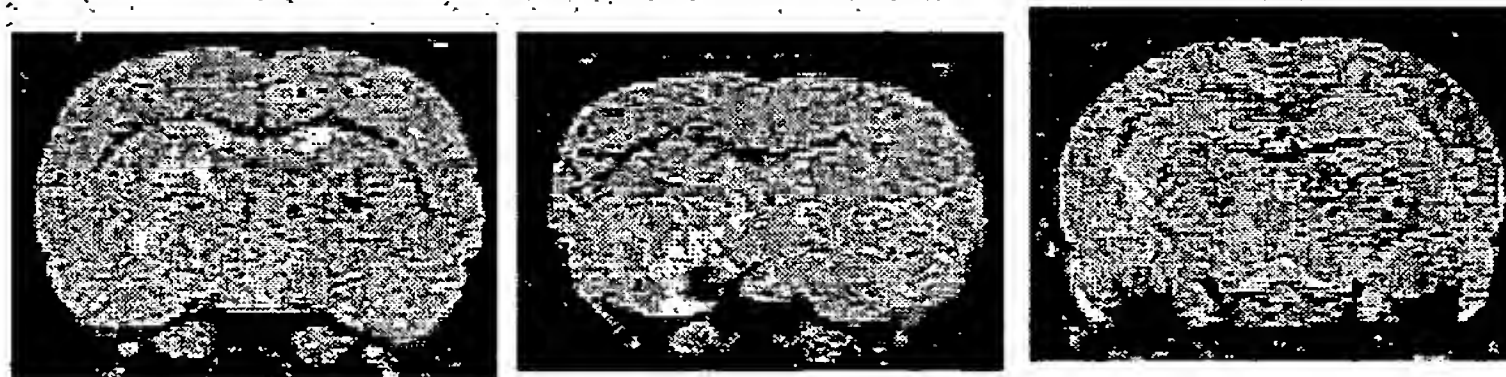
1 WEEK LATER



2 WEEKS LATER



4 WEEKS LATER



BEST AVAILABLE COPY

FIG. 22

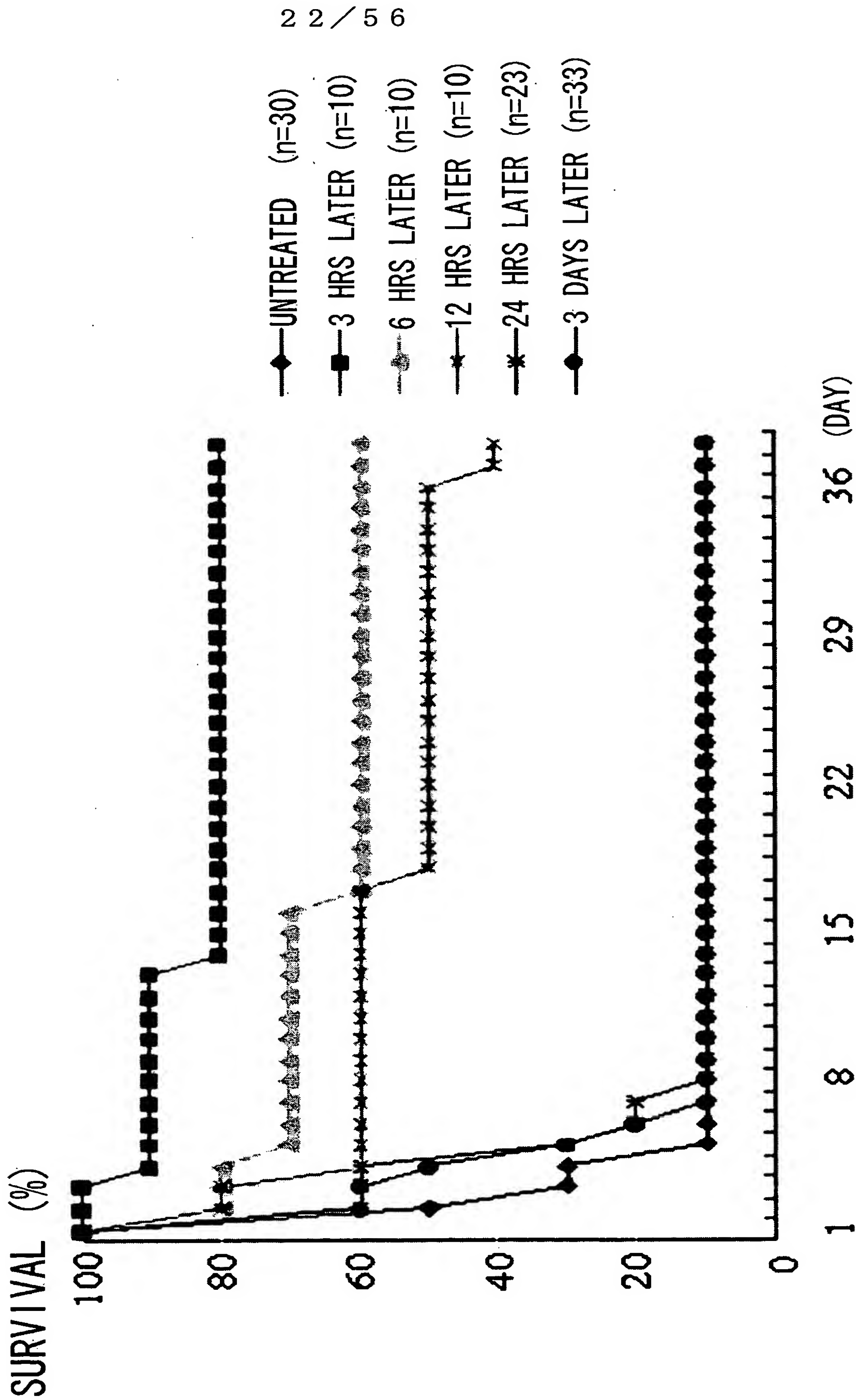
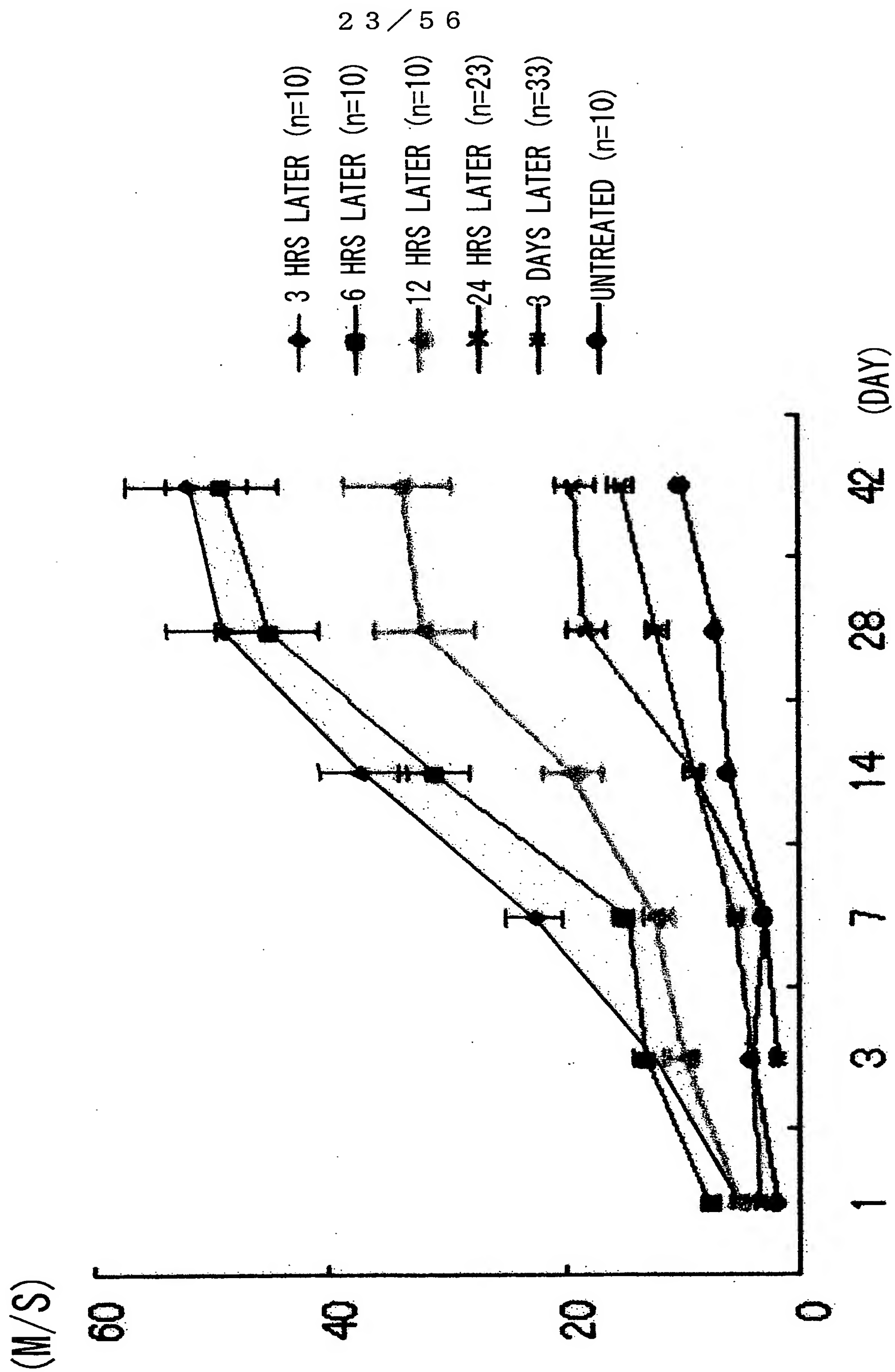


FIG. 23



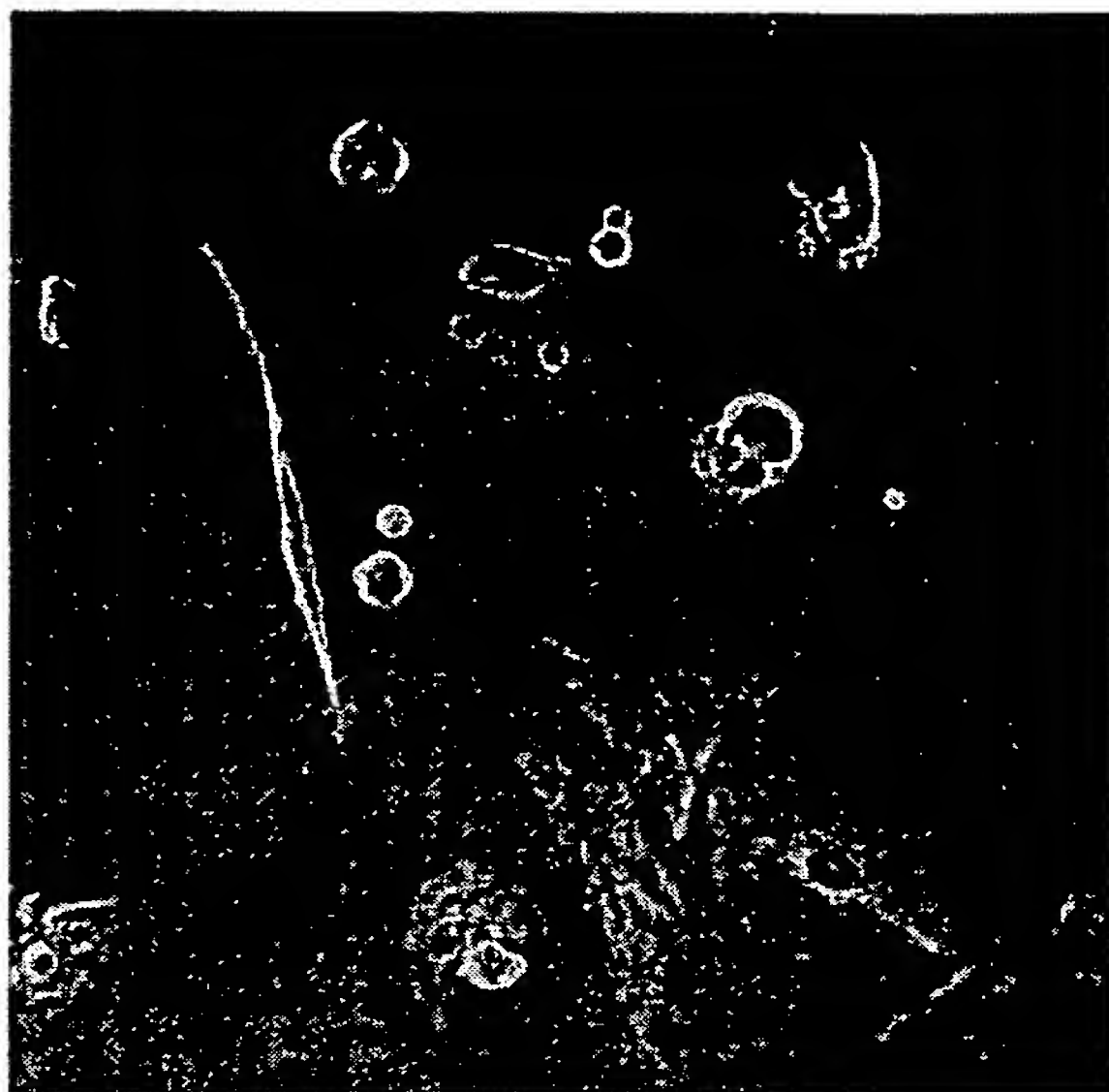


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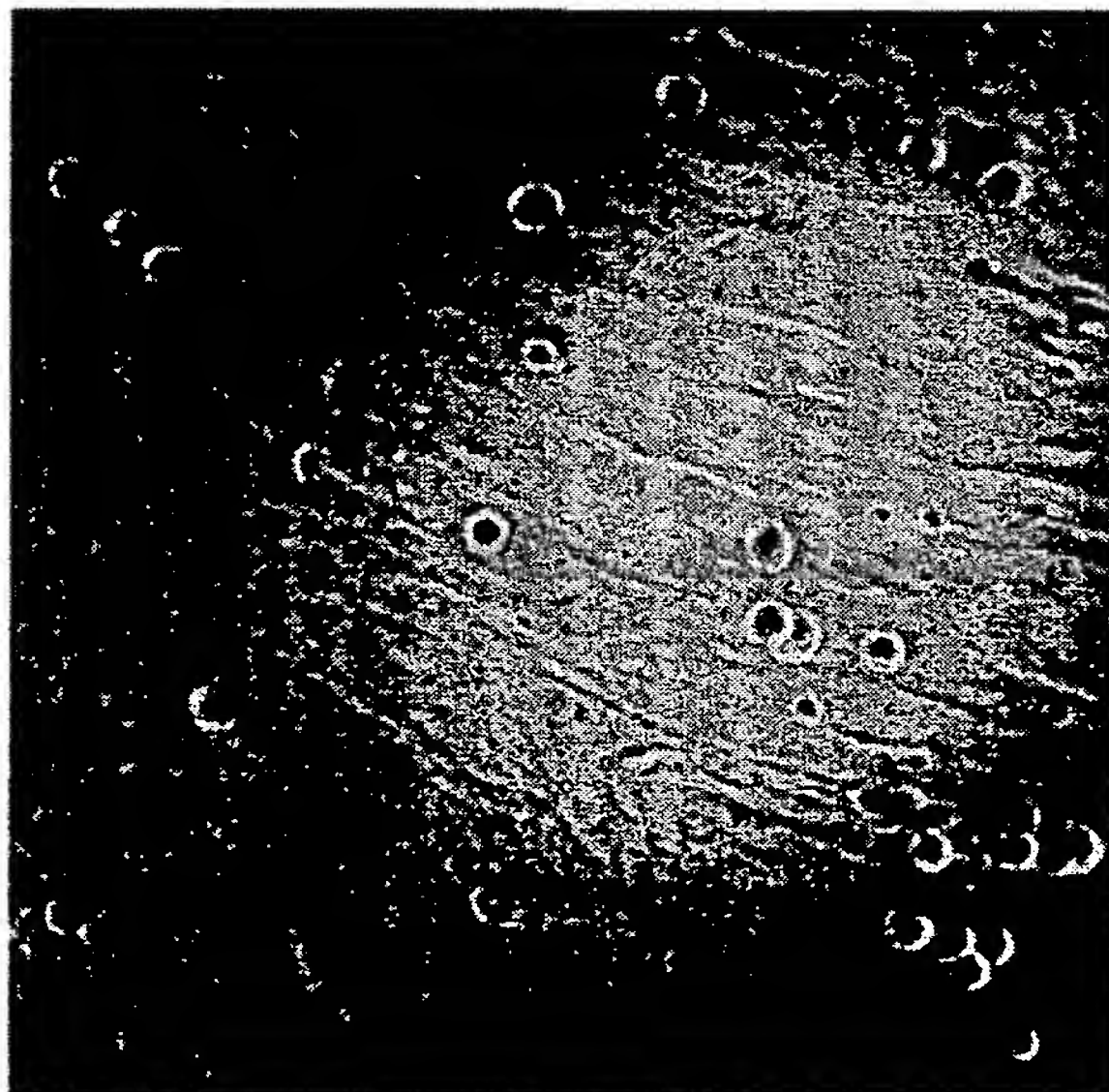
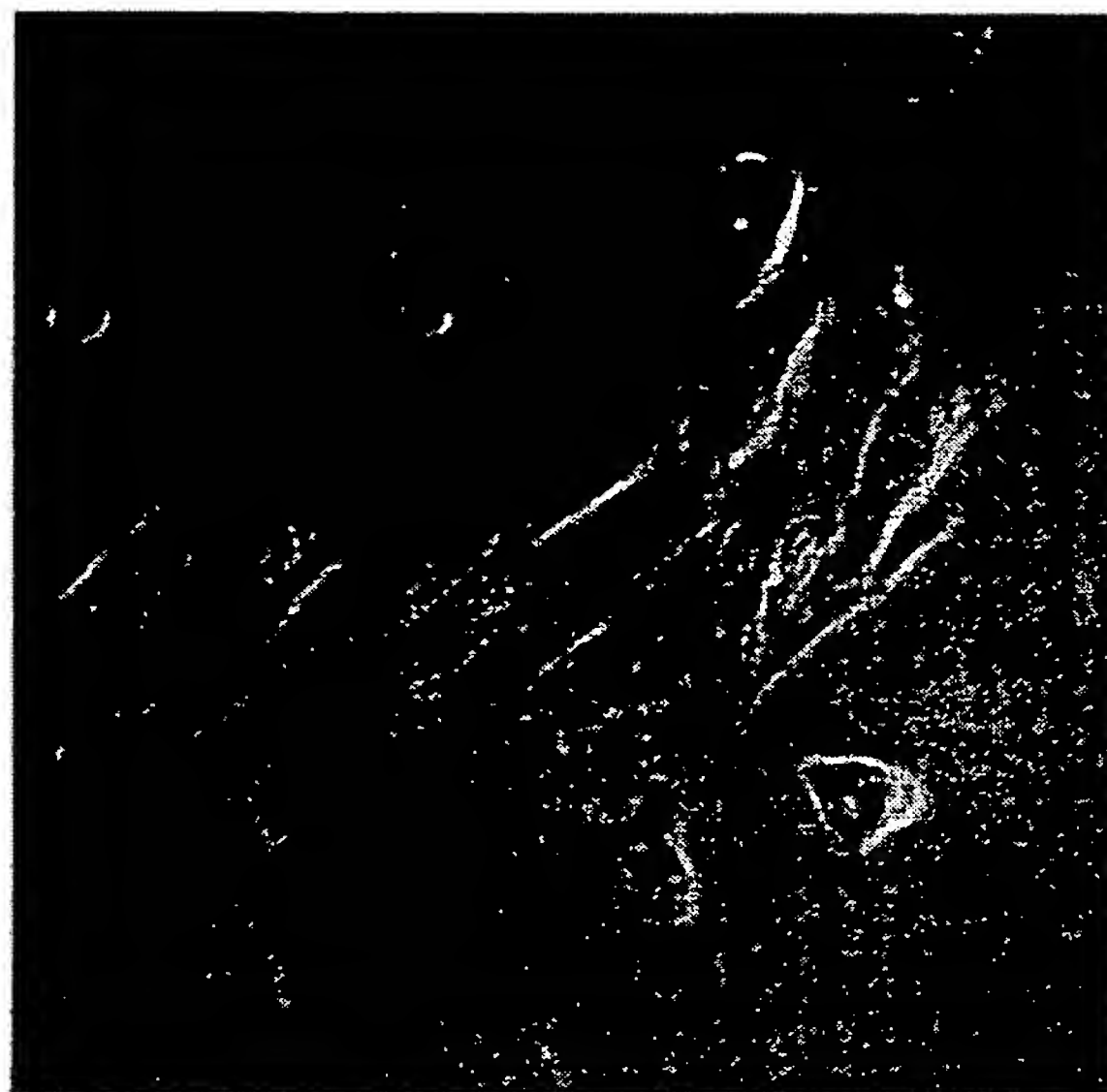
## FIG. 24

### MSC CELLS

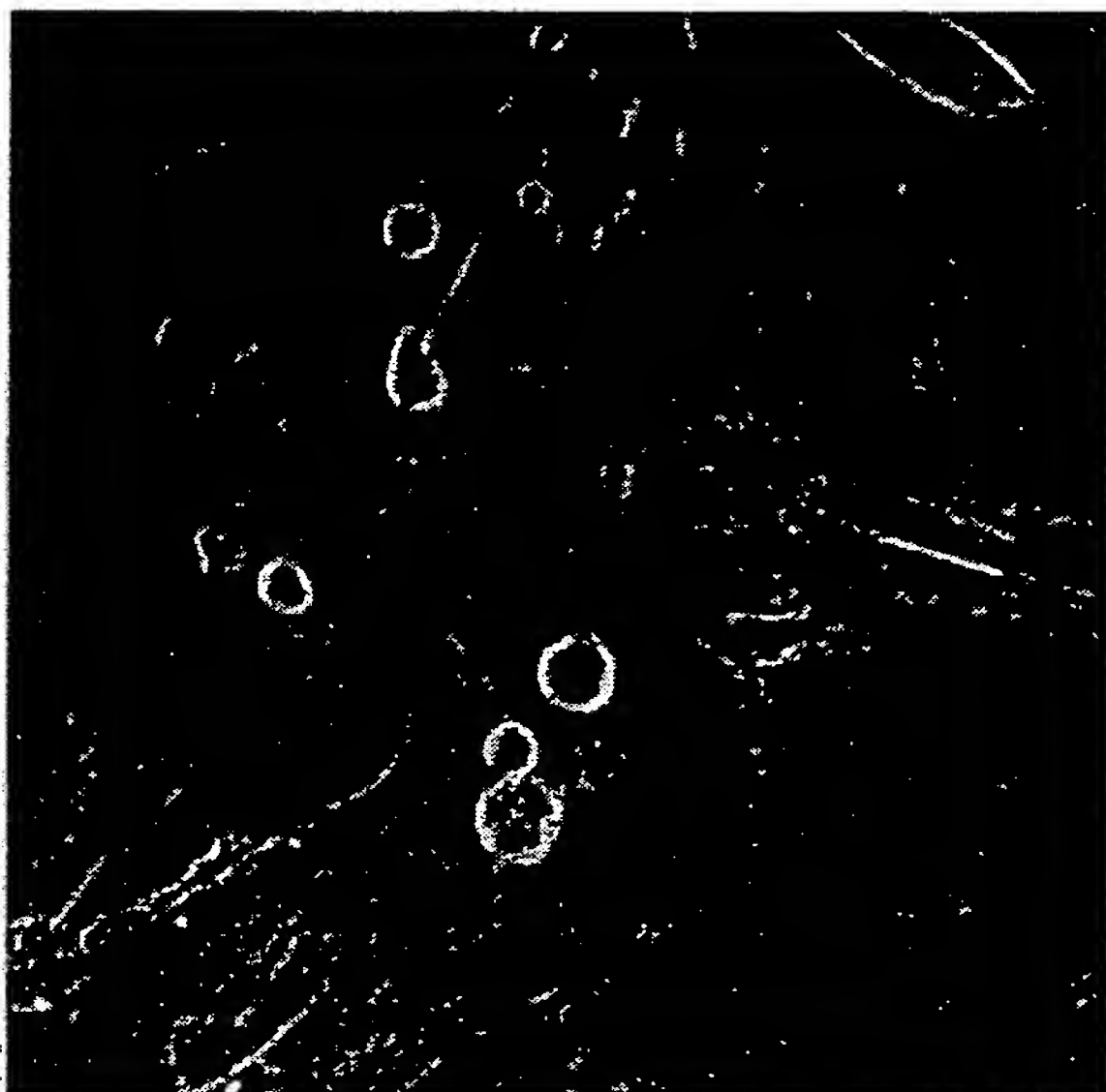
CONTROL



G-CSF DAY 3 S. C.



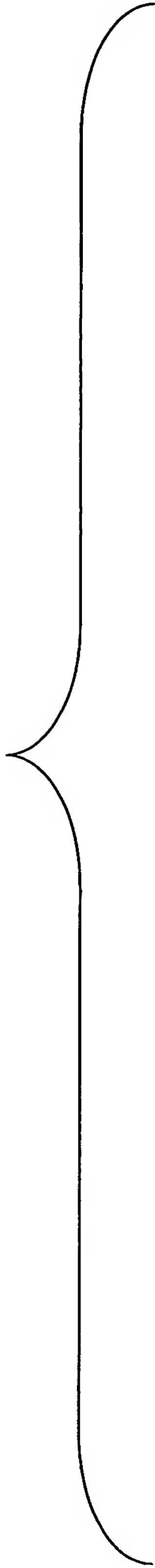
G-CSF+SCF DAY 7 S. C.



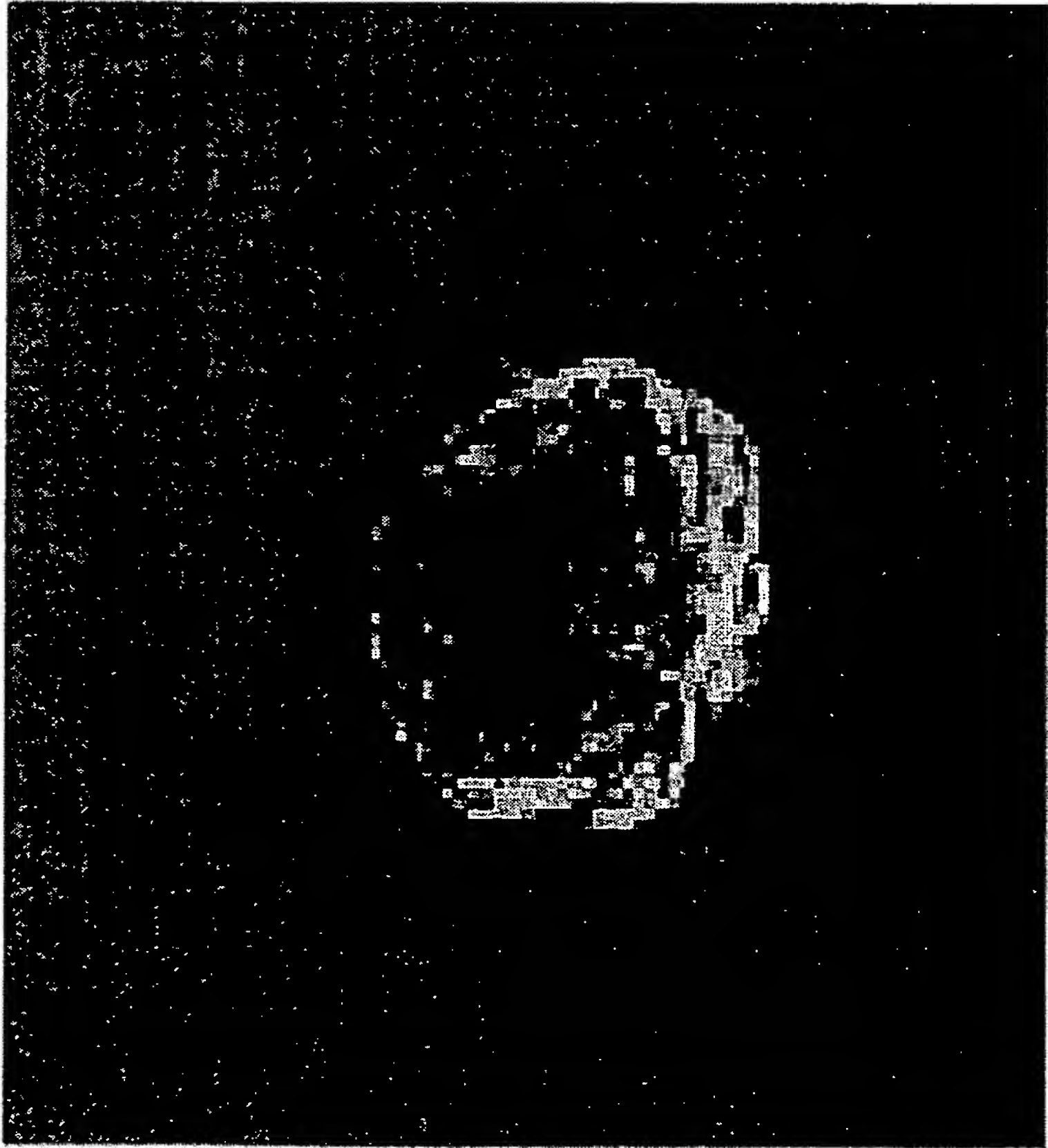
CORD BLOOD



FIG. 25

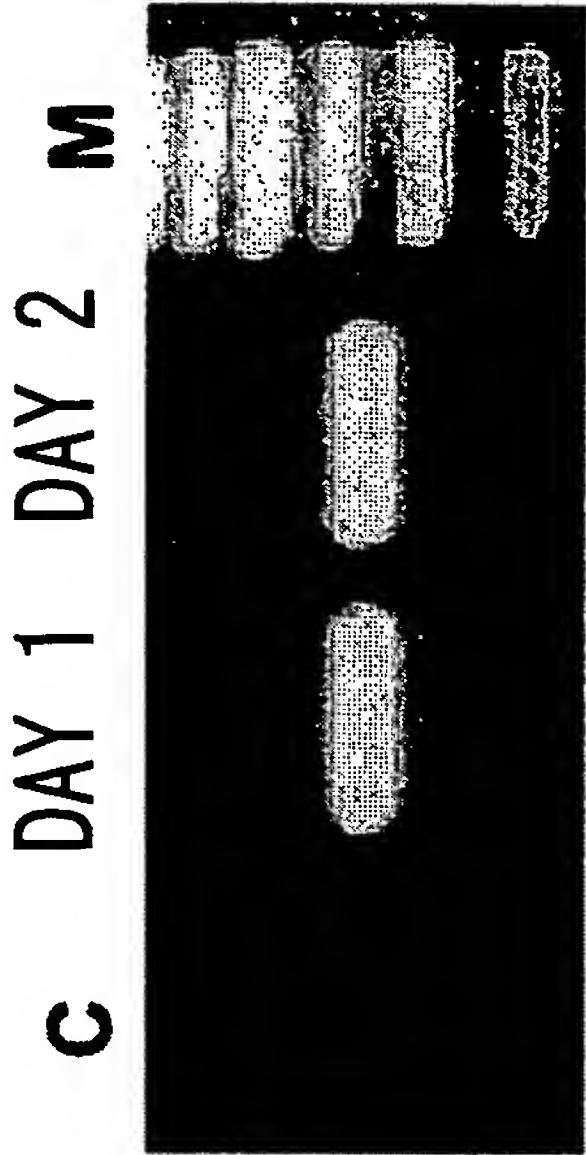


NEUROSPHERE



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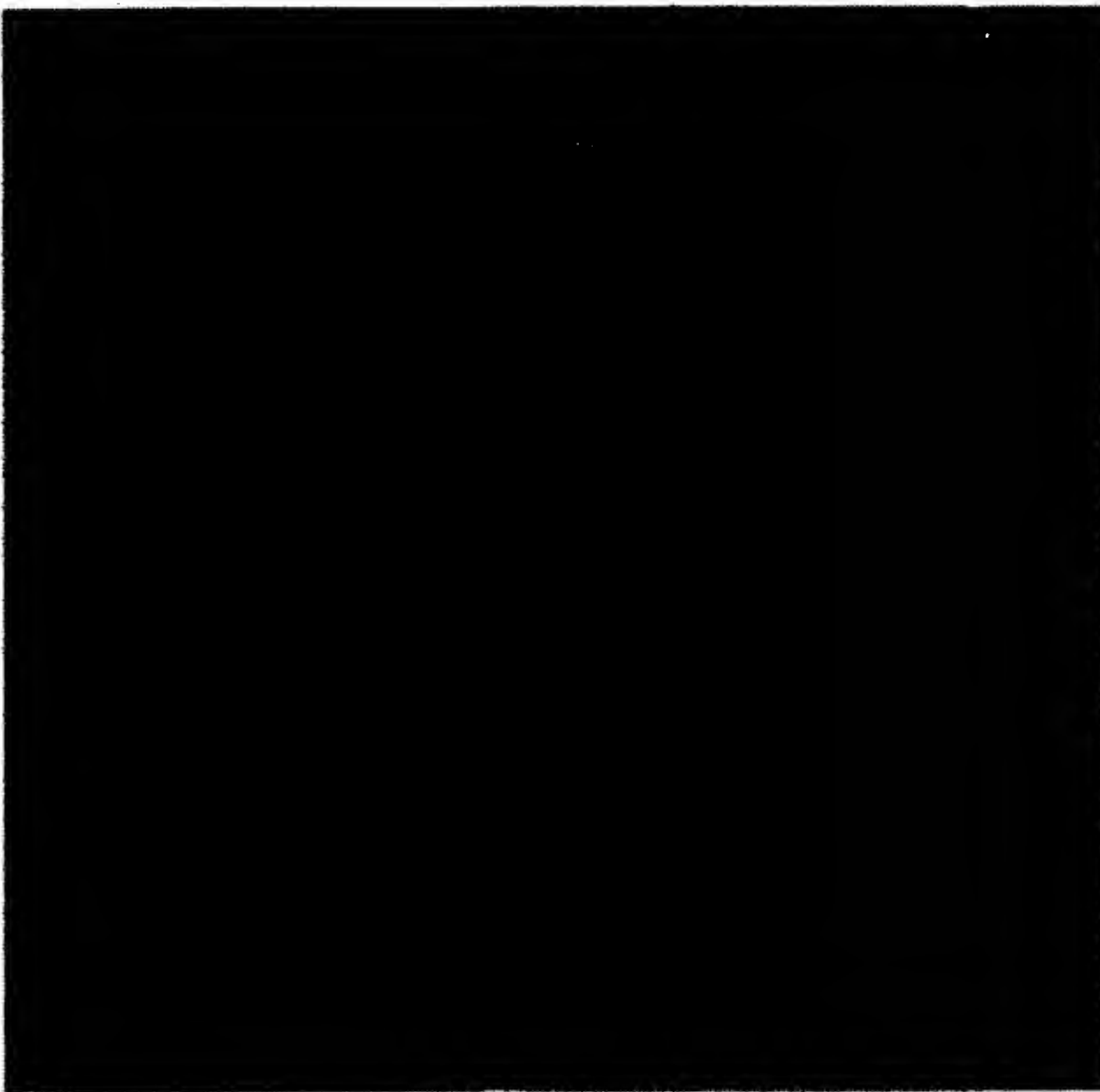
RT-PCT (NESTIN)



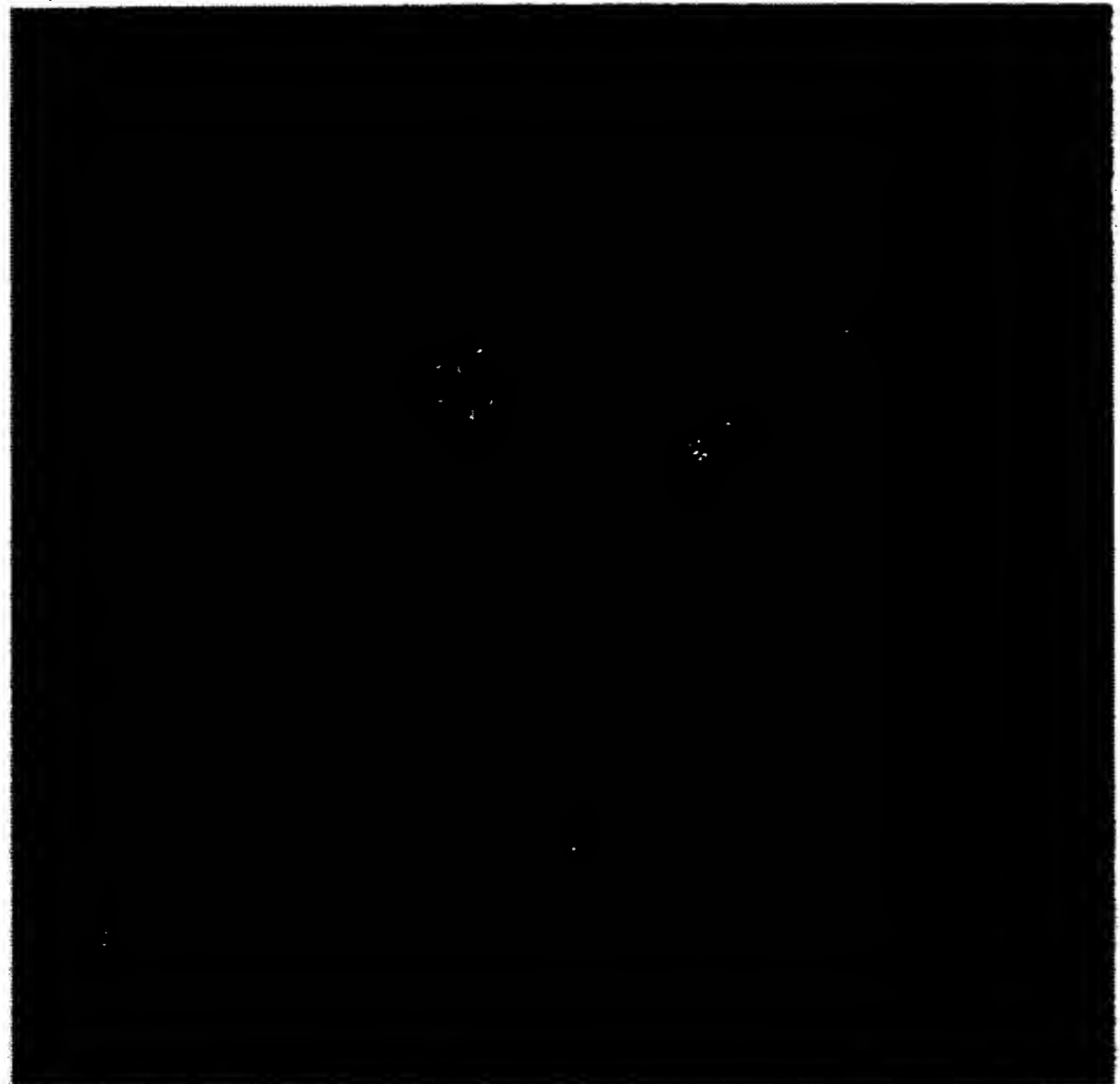
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# FIG. 26

## NF



## GFAP



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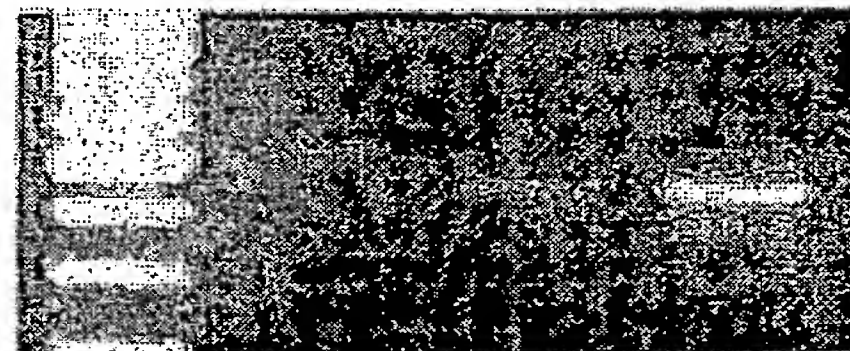
## RT-PCR (NF)

DAY 1 DAY 3 1WK M



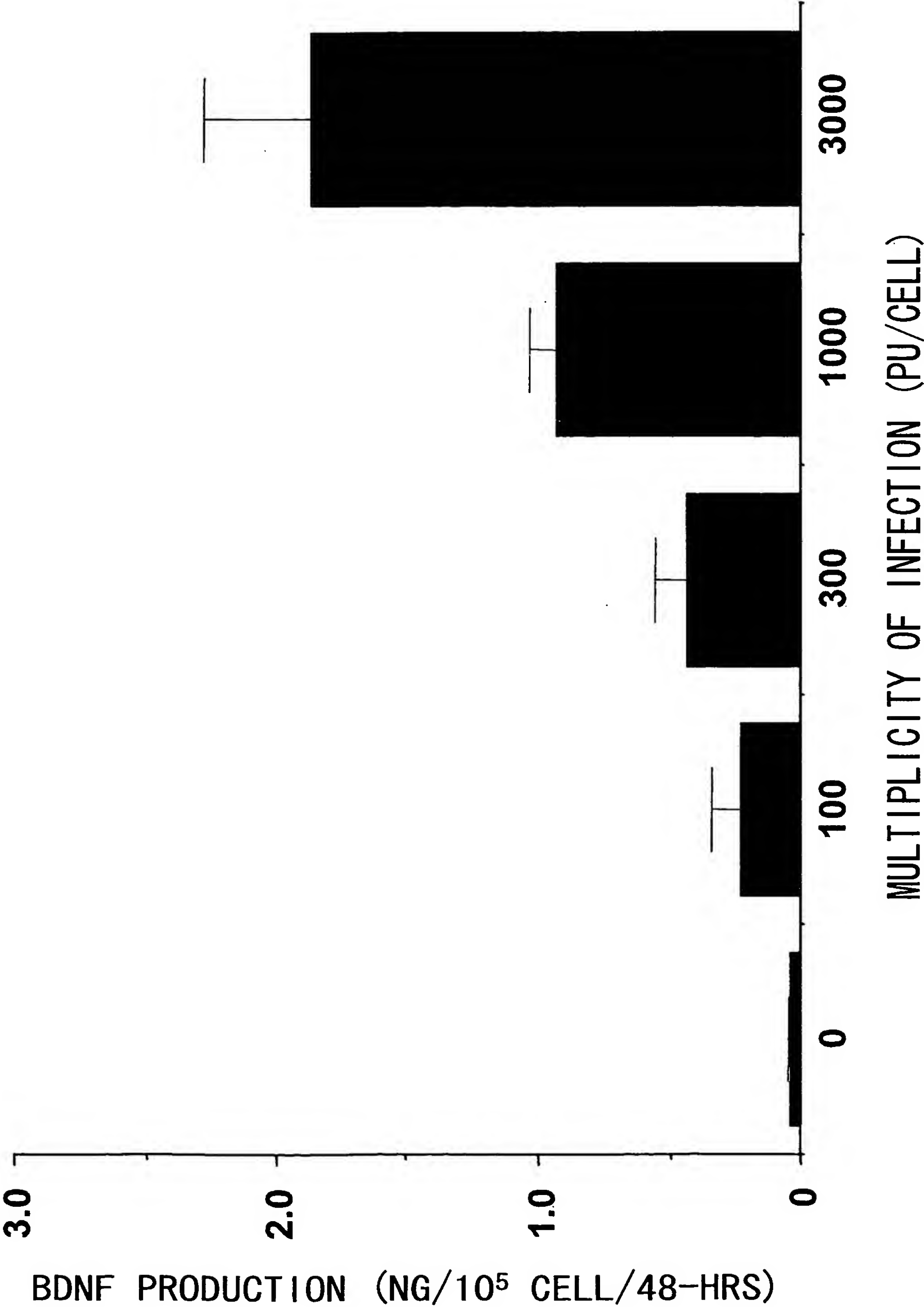
## RT-PCR (GFAP)

M DAY 1 DAY 3 1WK



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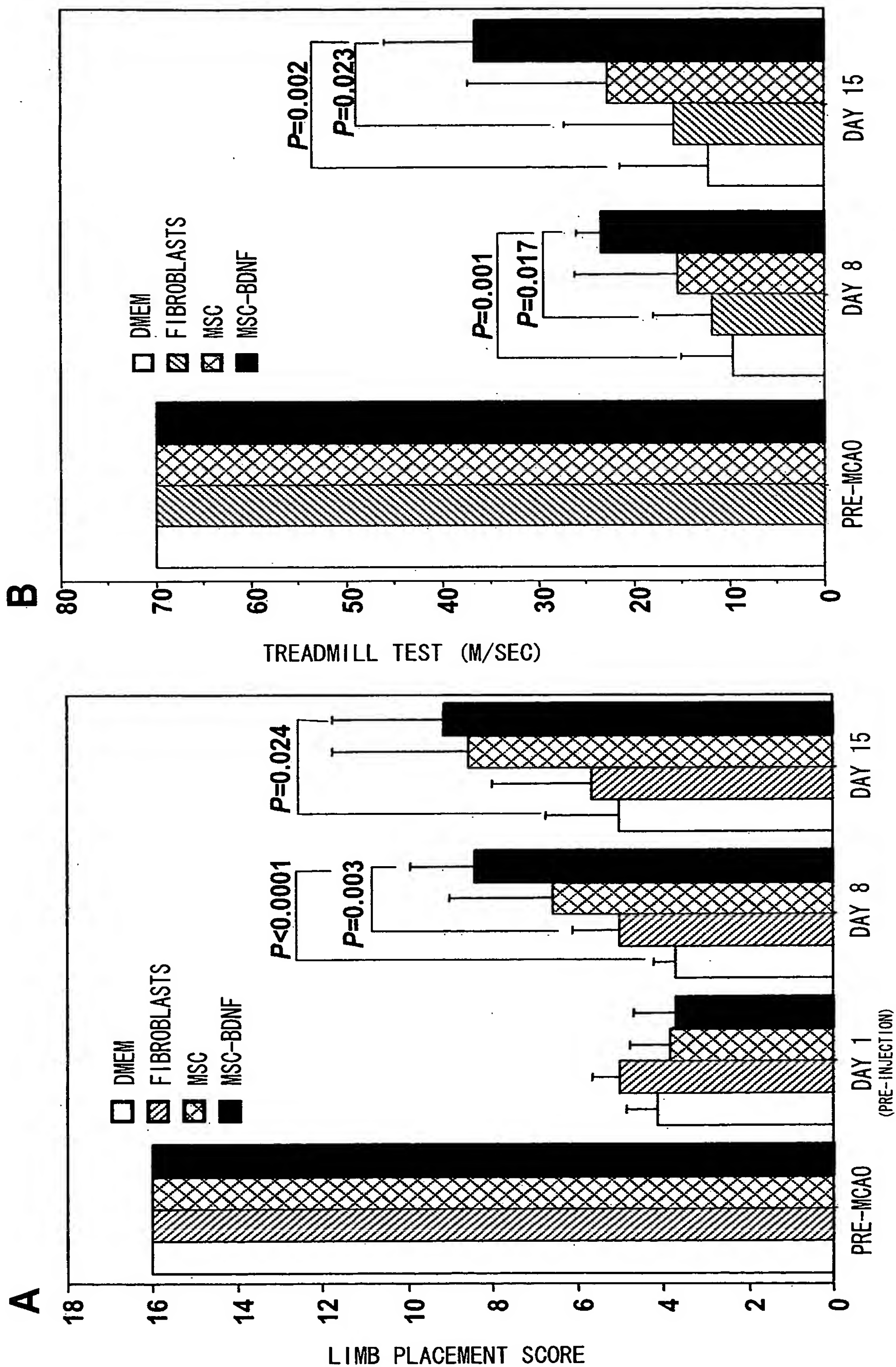
FIG. 27



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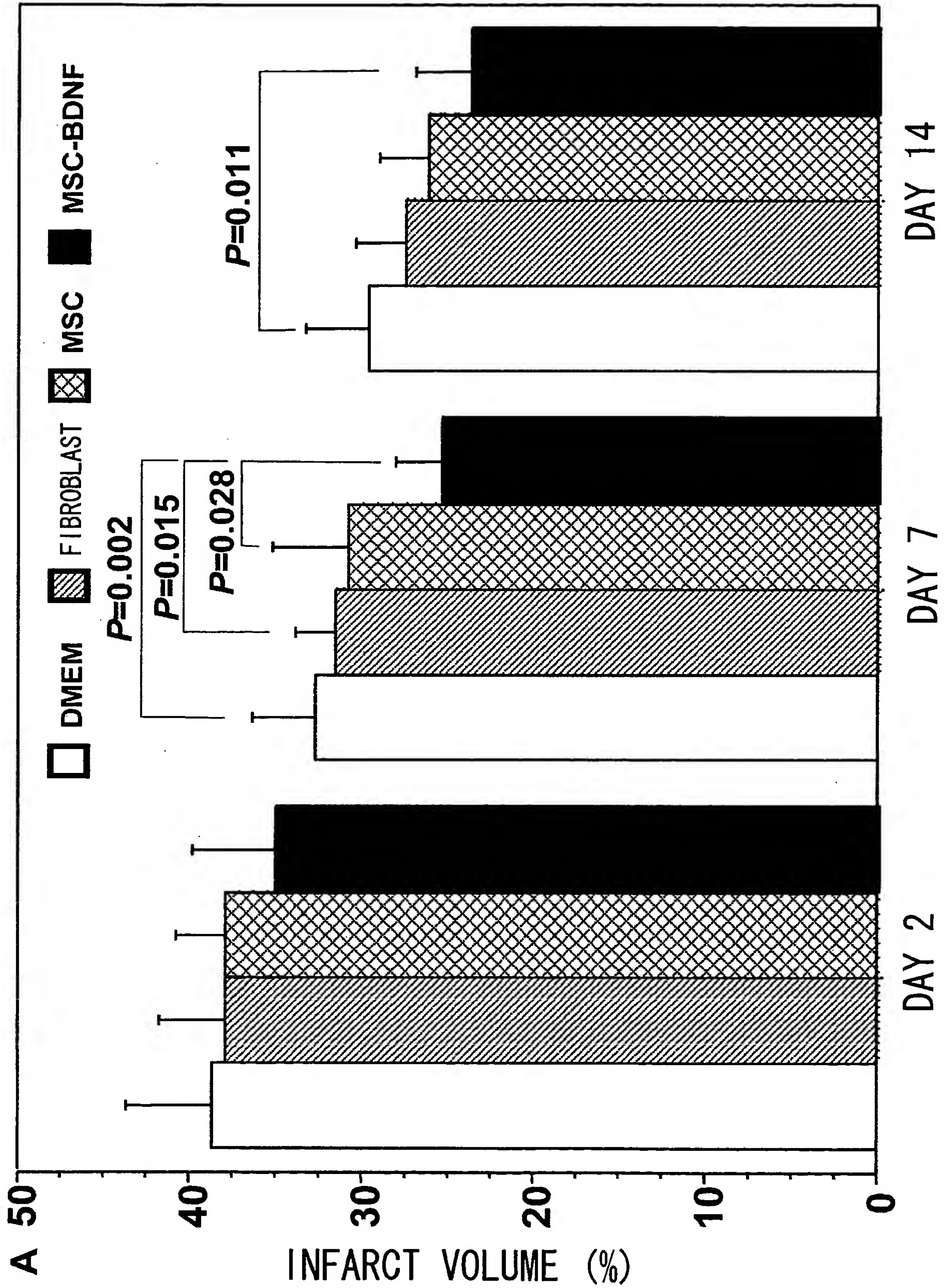
FIG. 28





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FIG. 29A



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FIG. 29B

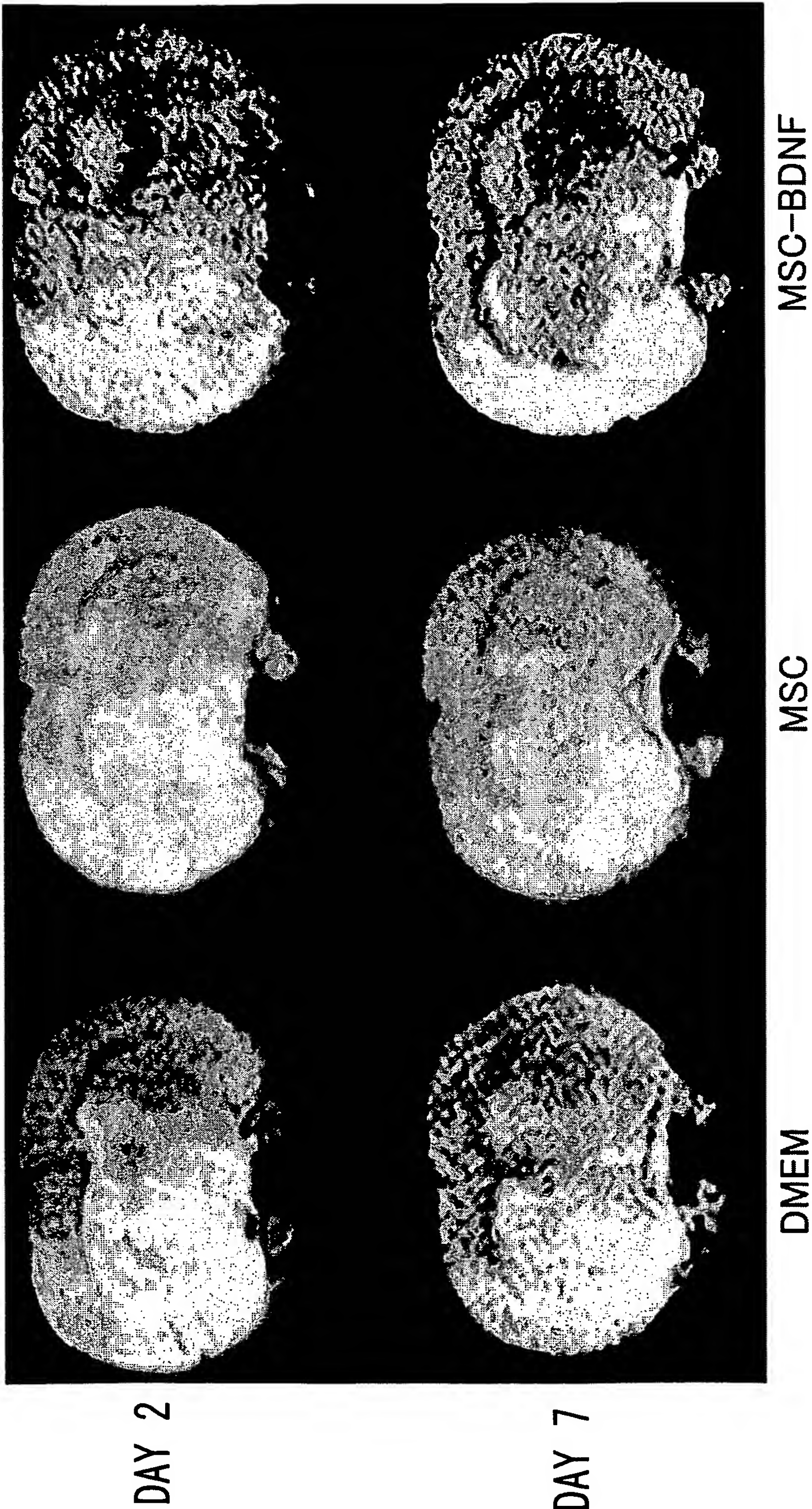
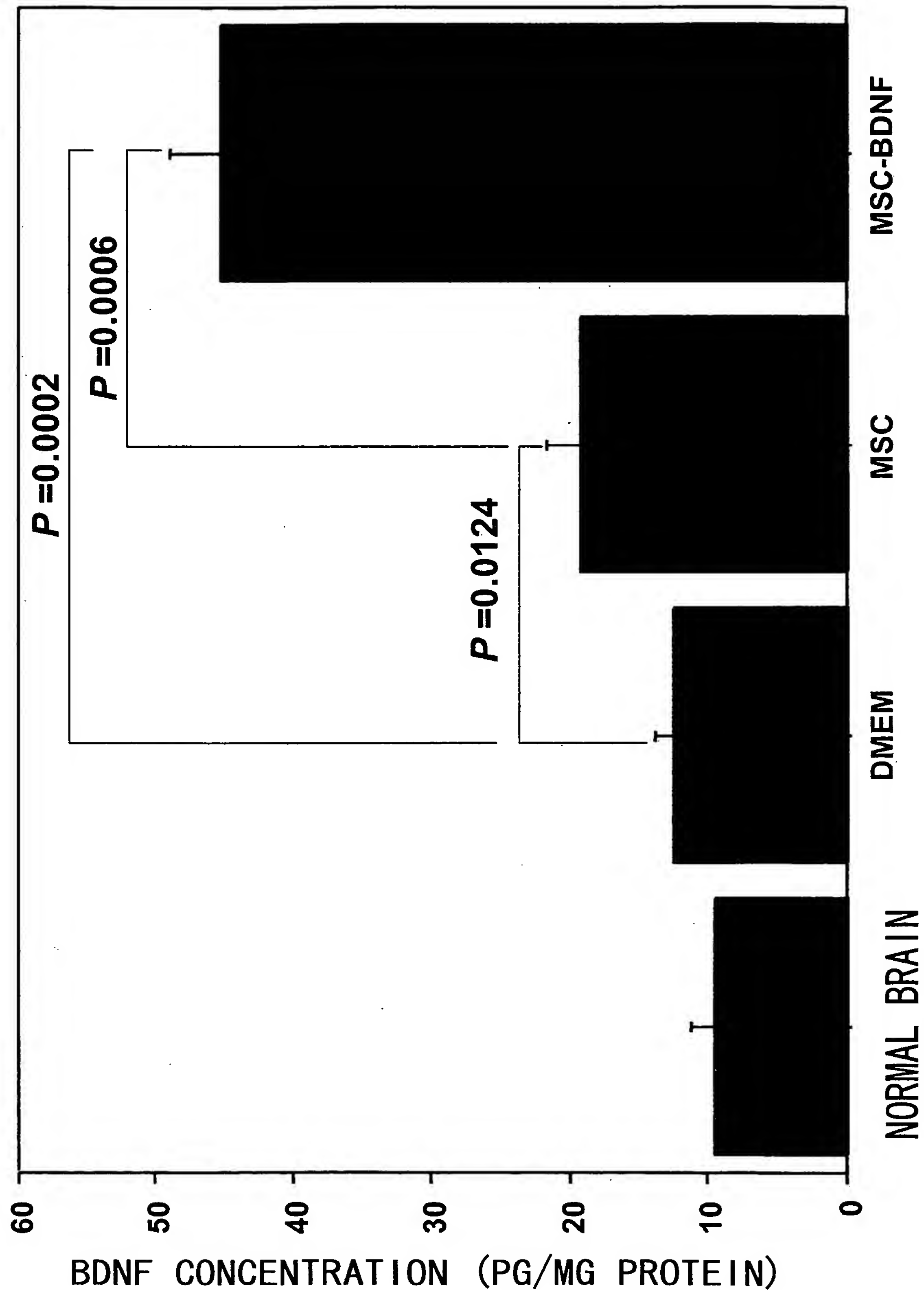


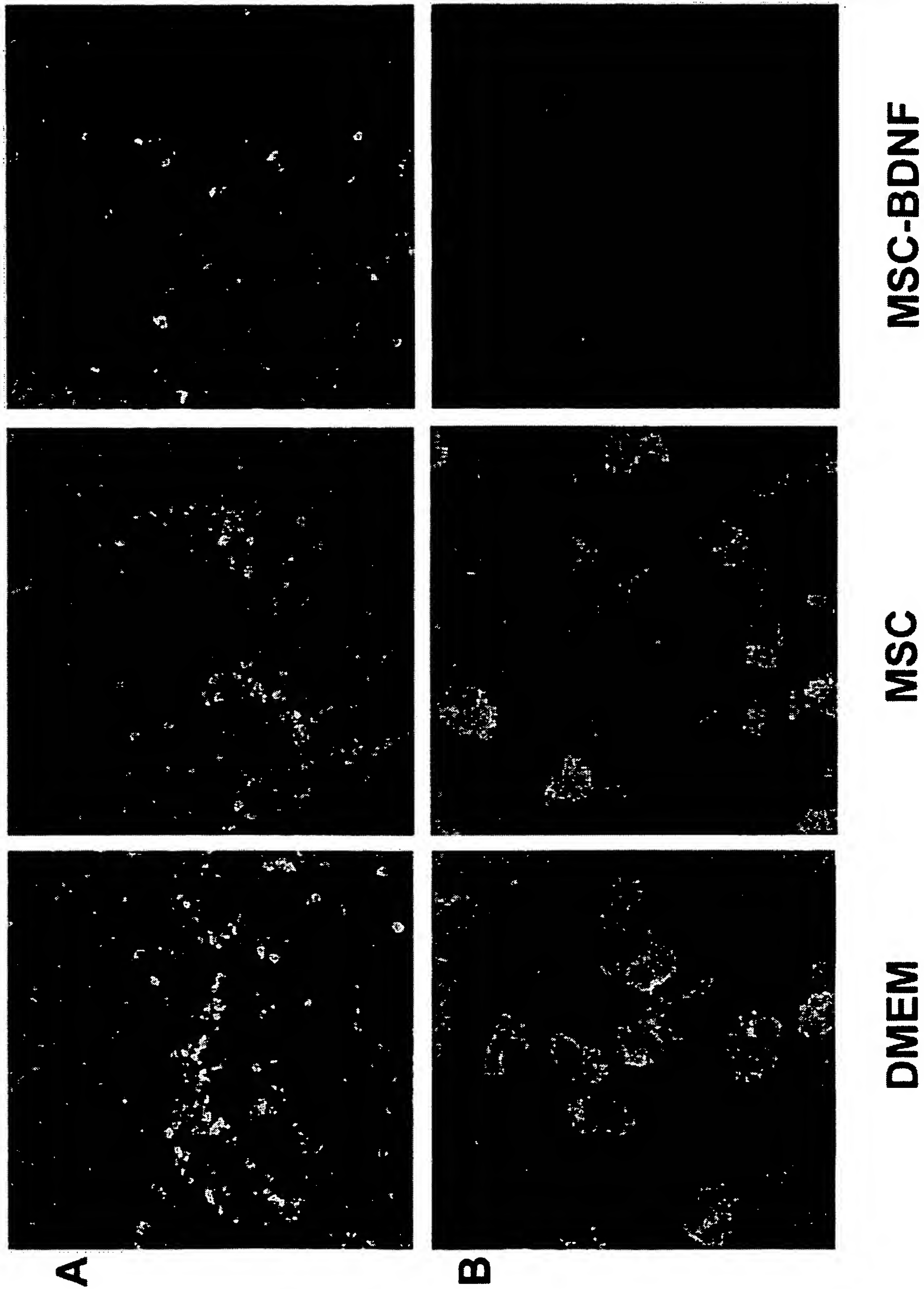
FIG. 30





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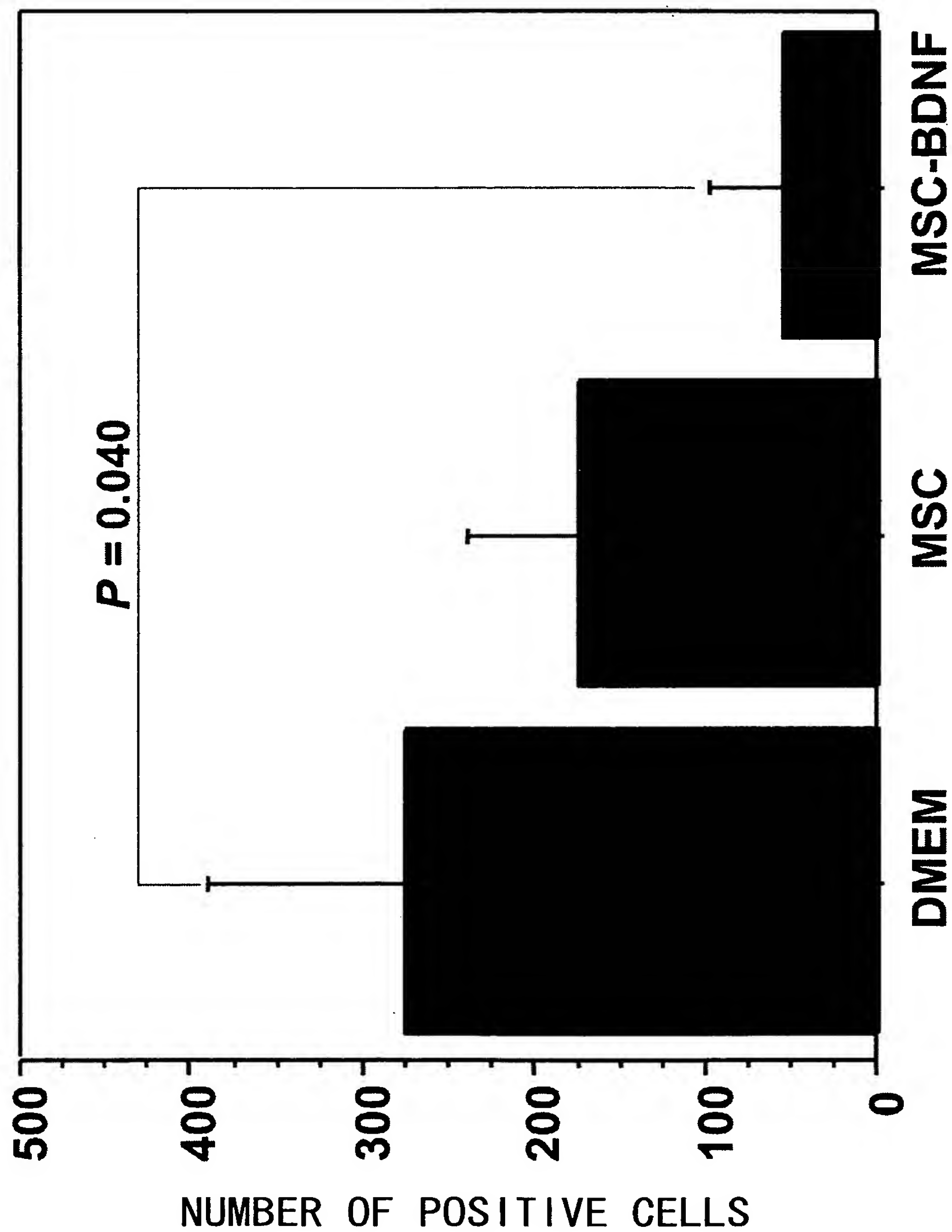
FIG. 31AB





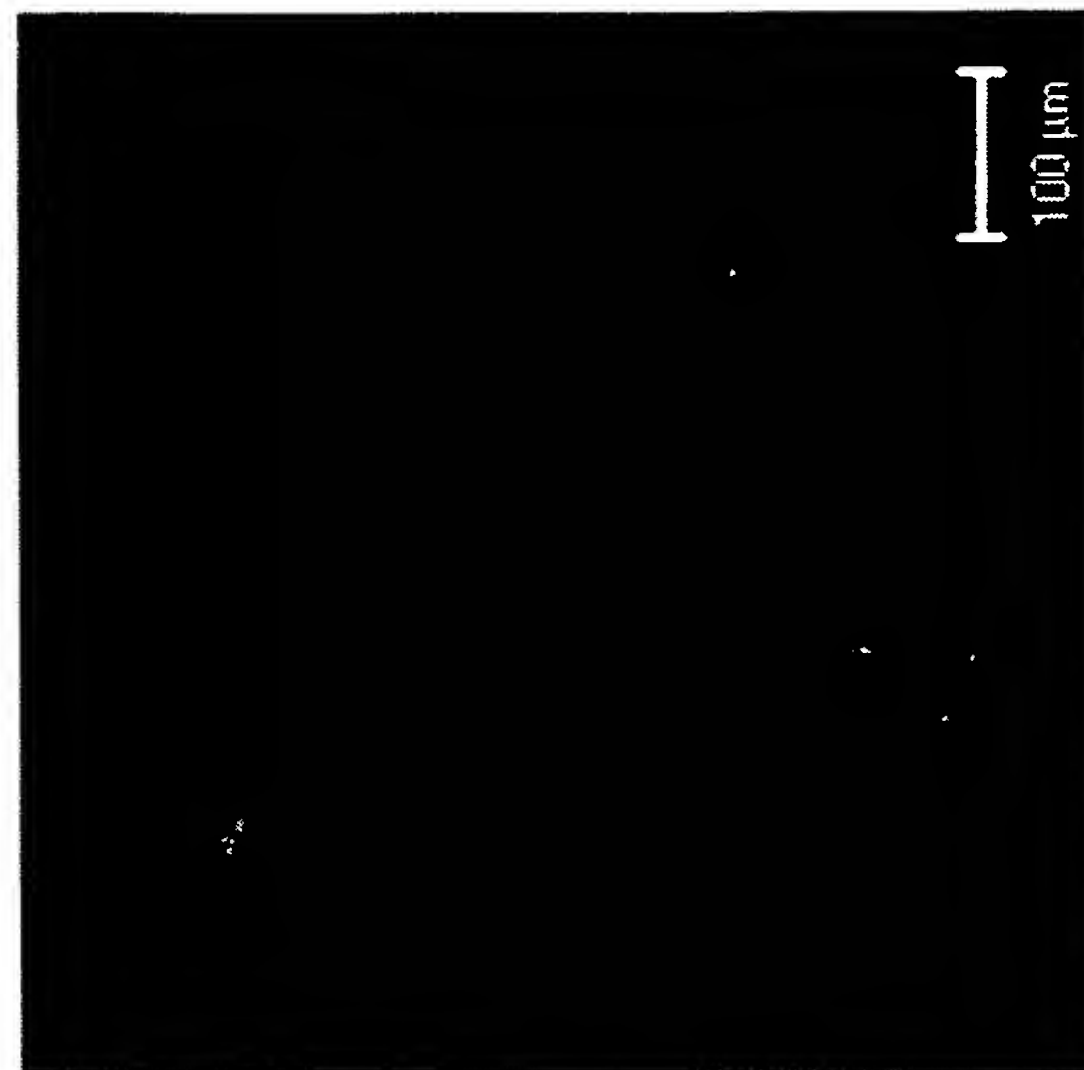
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FIG. 31C

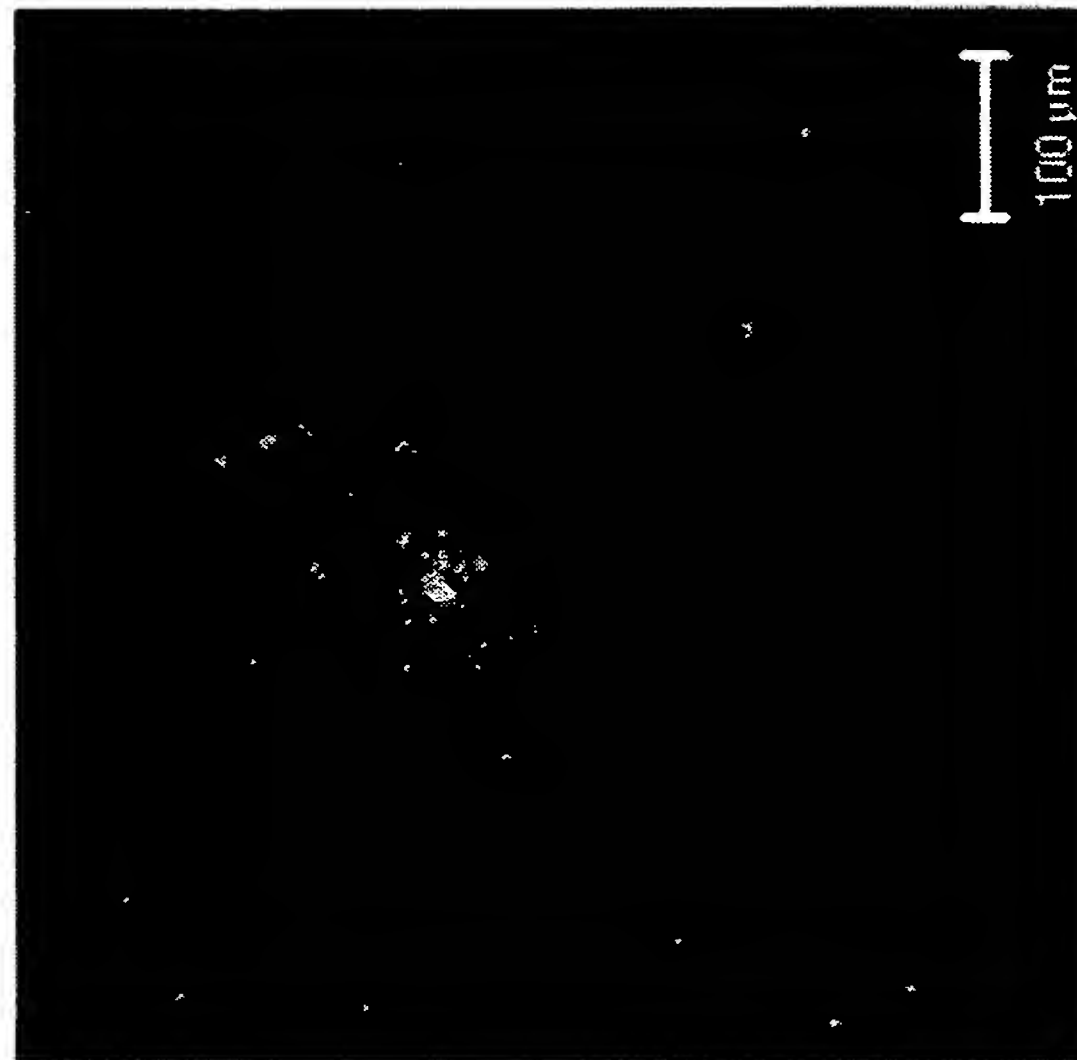


3 4 / 5 6

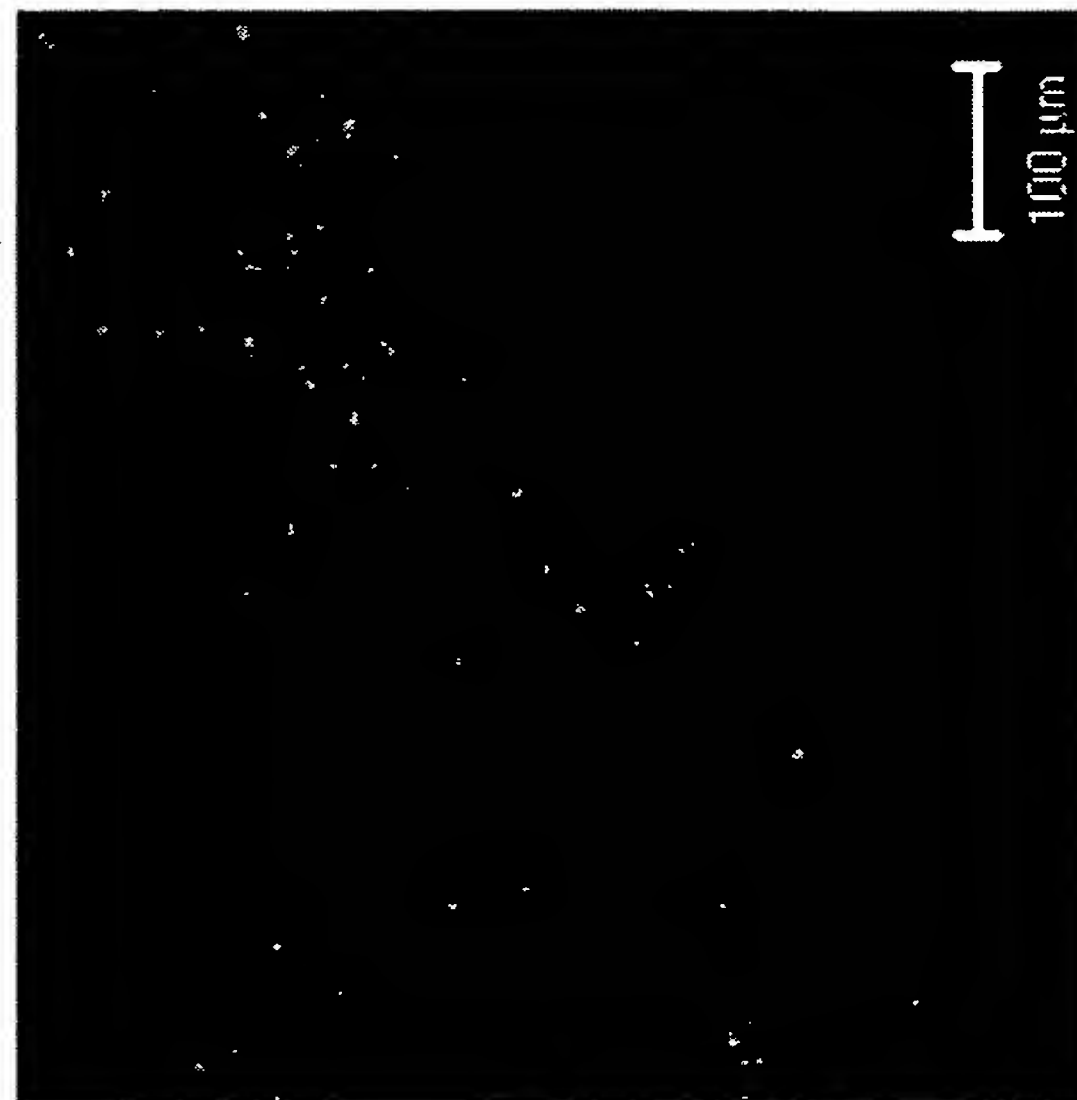
FIG. 31D



MSC-BDNF



MSC



DMEM

FIG. 32

EGFP

NeuN

EGFP

GFAP

A

B

EGFP

NeuN

EGFP

GFAP

Merged

Merged

MERGED

MERGED

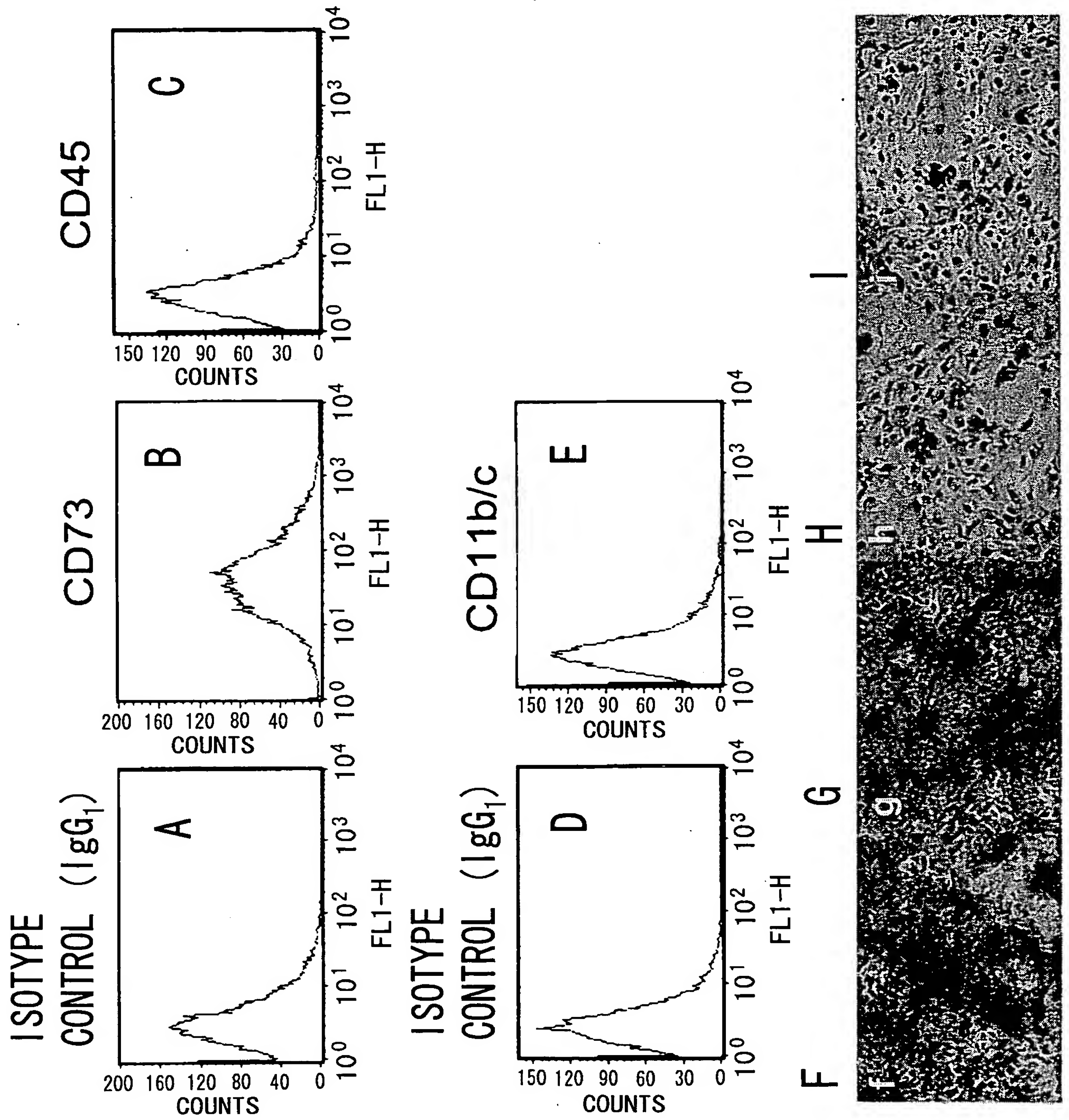
3 5 / 5 6

Title: INTERNALLY ADMINISTERED THERAPEUTIC AGENTS FOR  
CRANIAL NERVE DISEASES COMPRISING MESENCHYMAL CELLS  
AS AN ACTIVE INGREDIENT (As Amended)  
Inventor(s): Osamu HONMOU et al.  
DOCKET NO.: 033873-0108

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FIG. 33

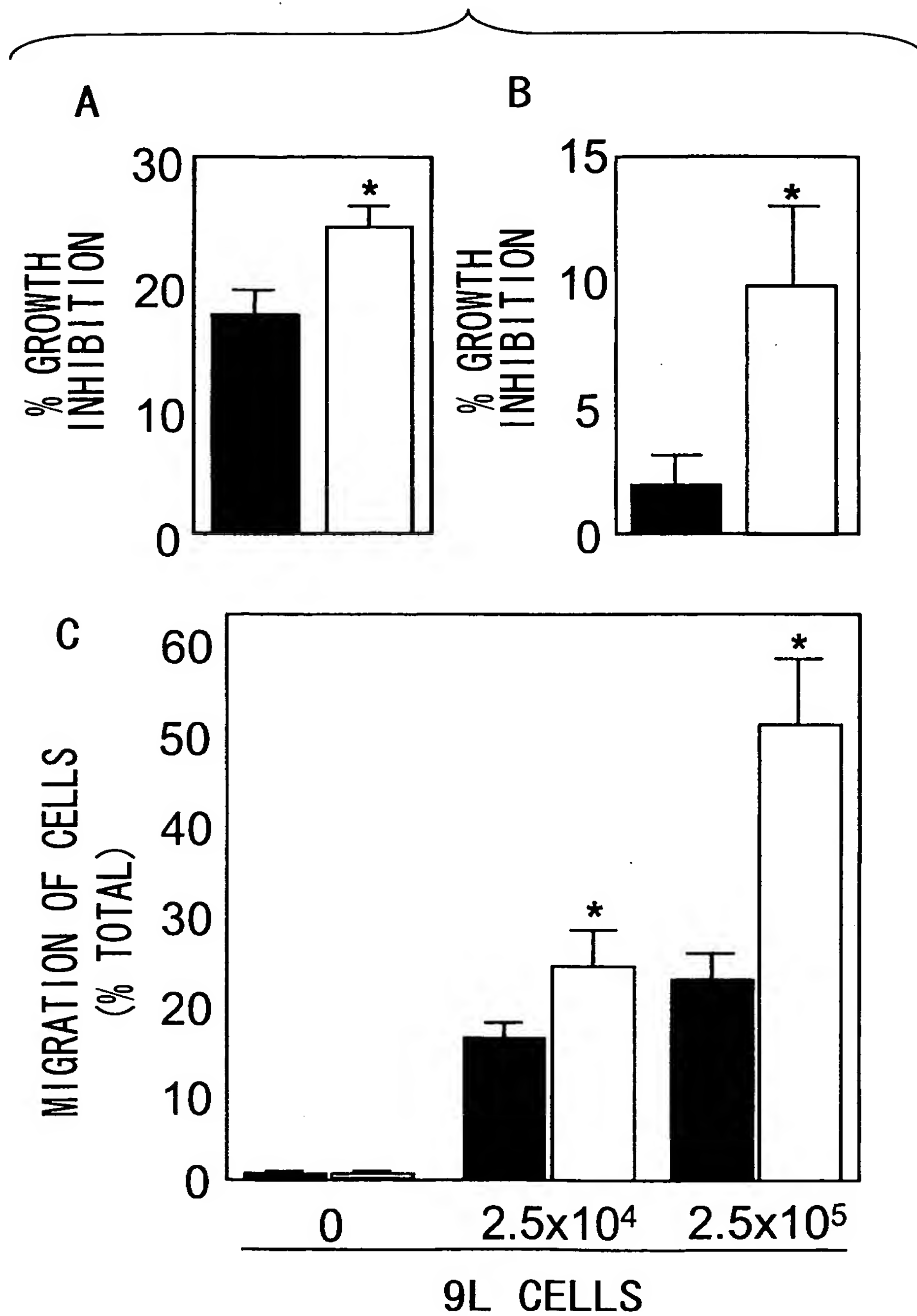


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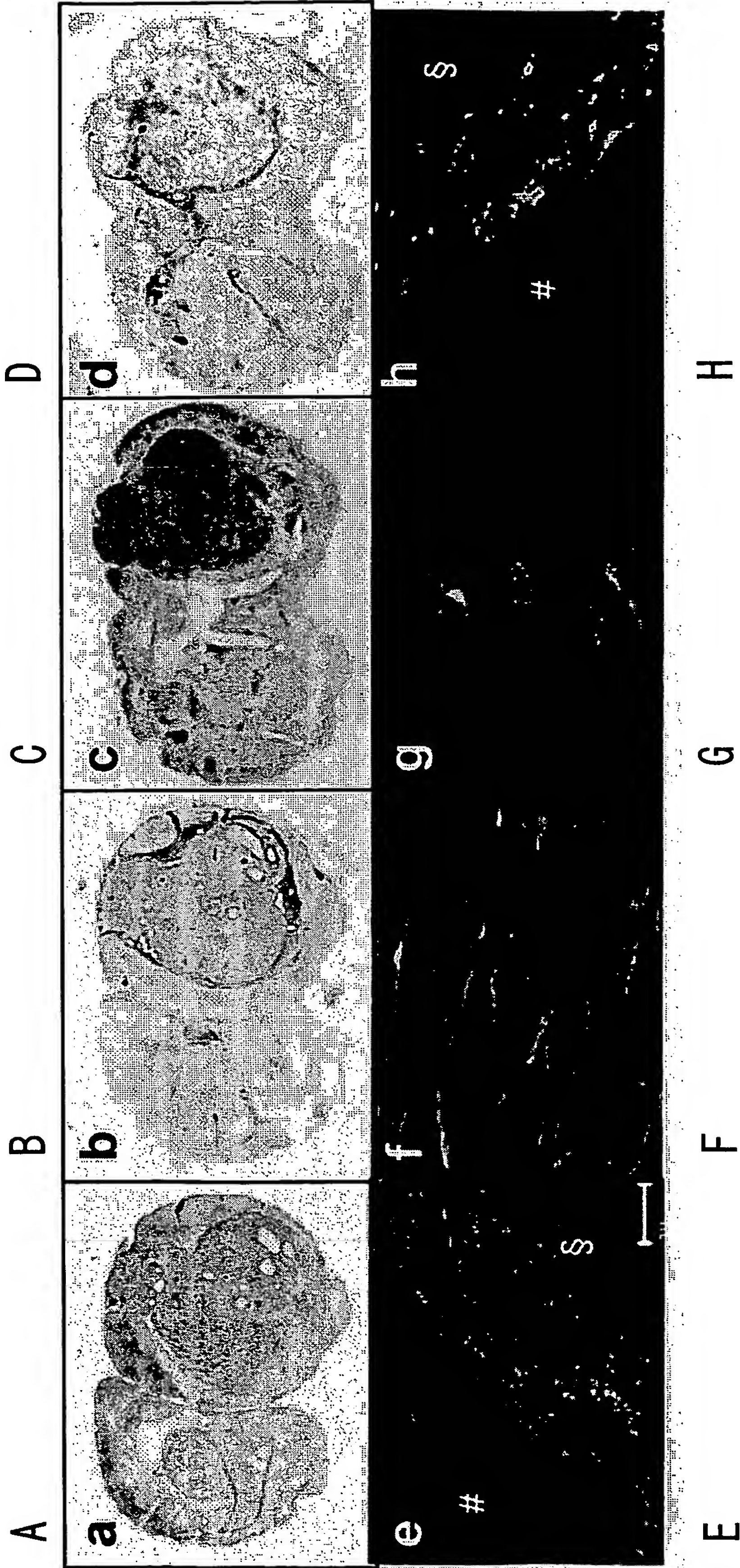
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FIG. 34



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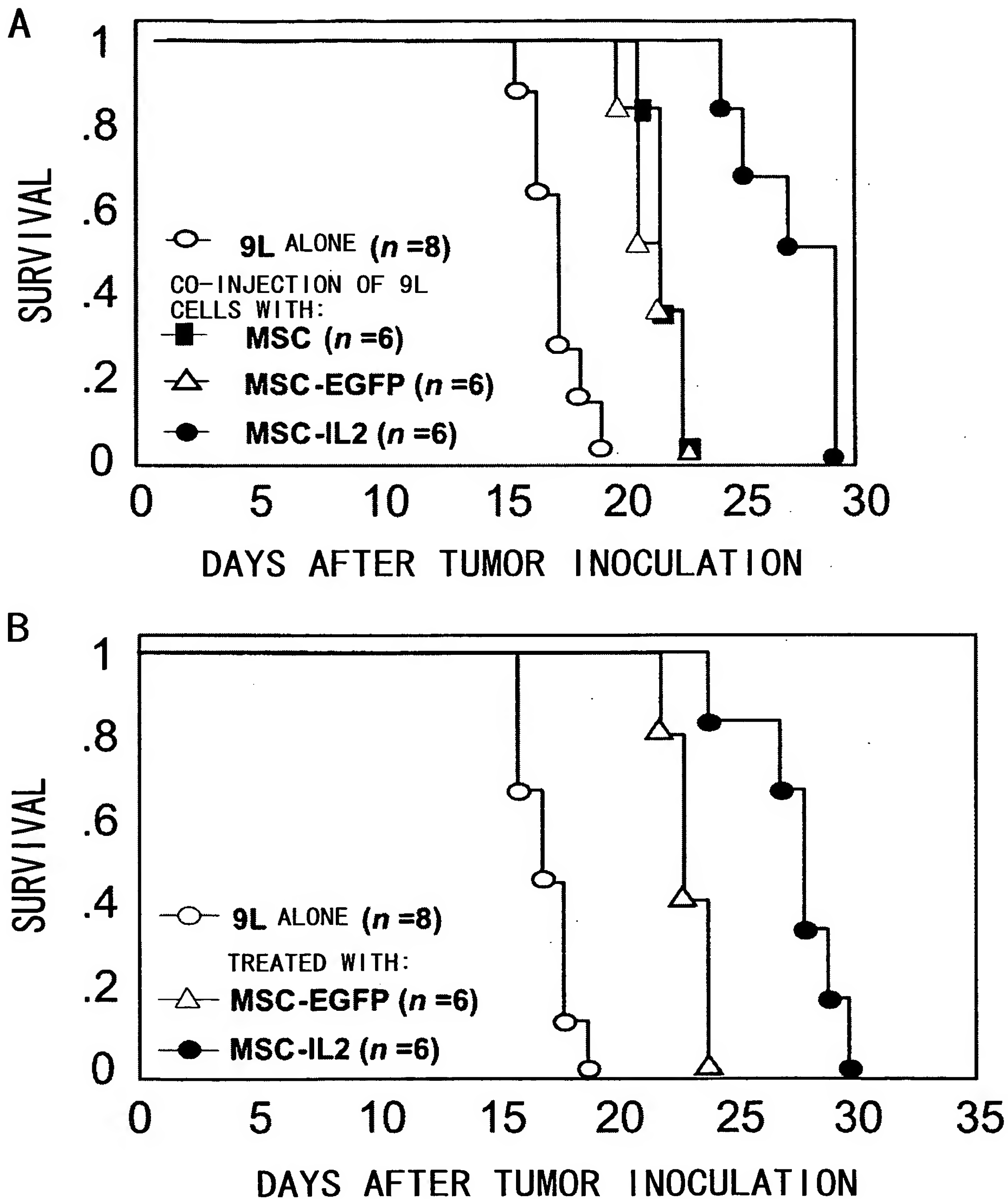
FIG. 35



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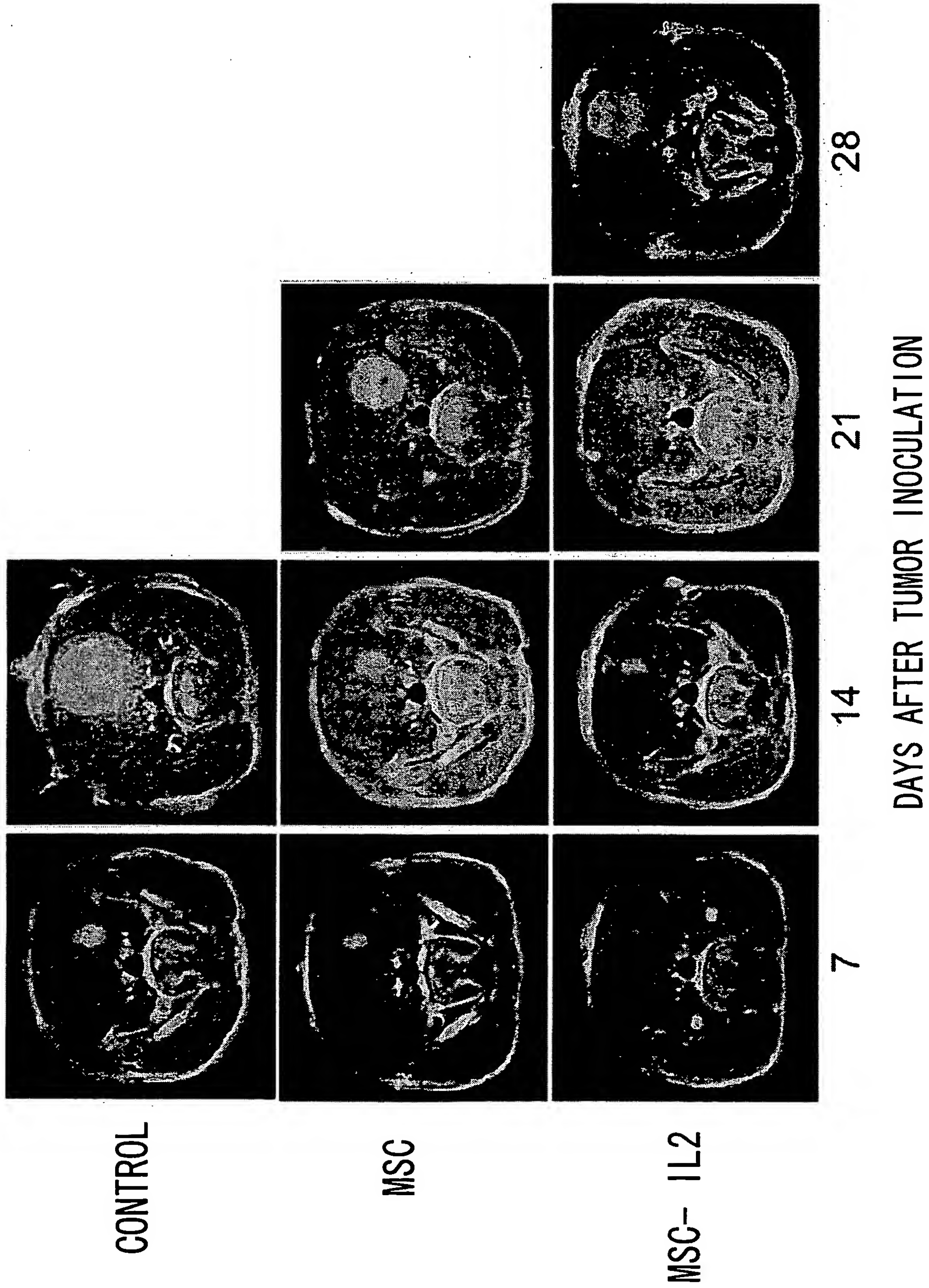
FIG. 36

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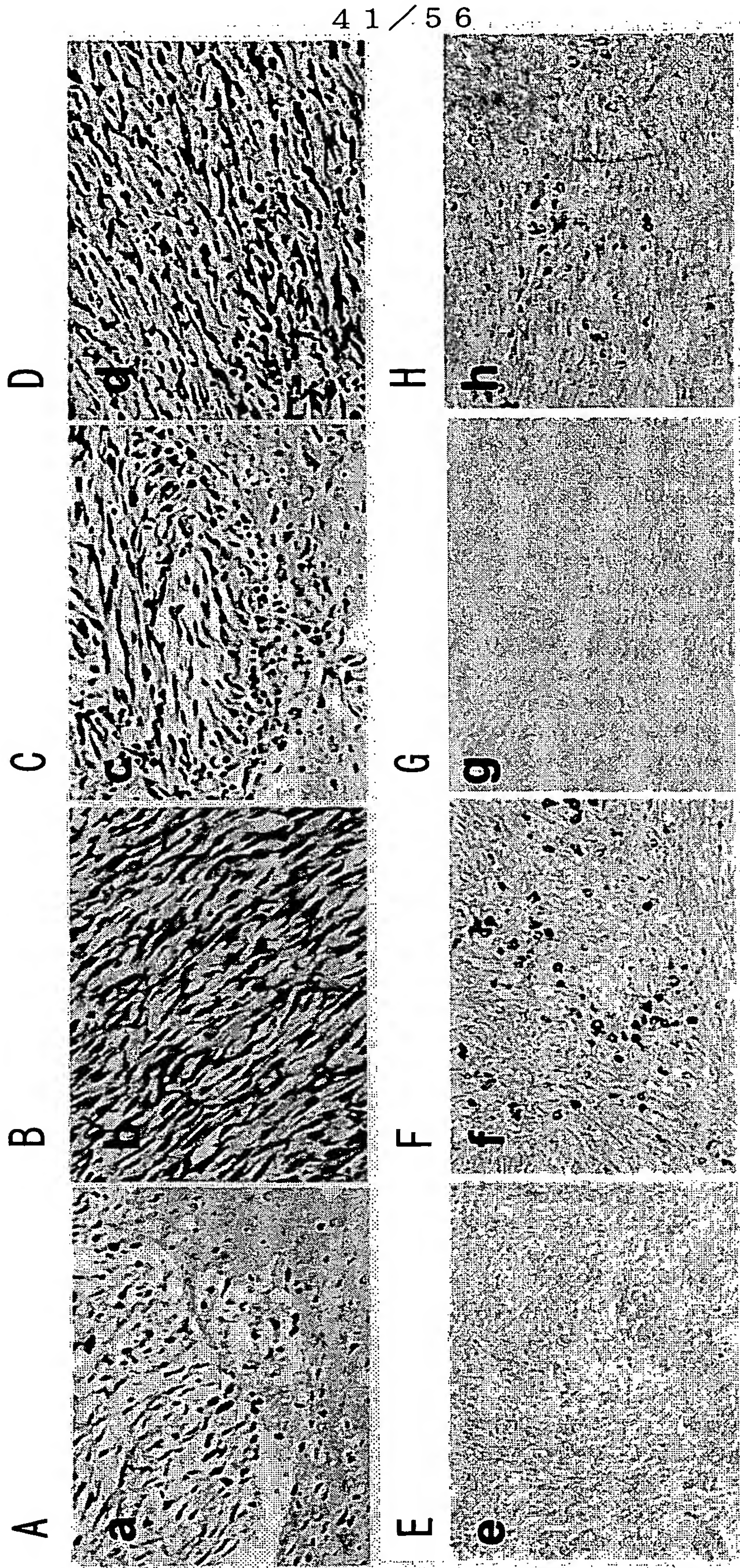
FIG. 37



BEST AVAILABLE COPY



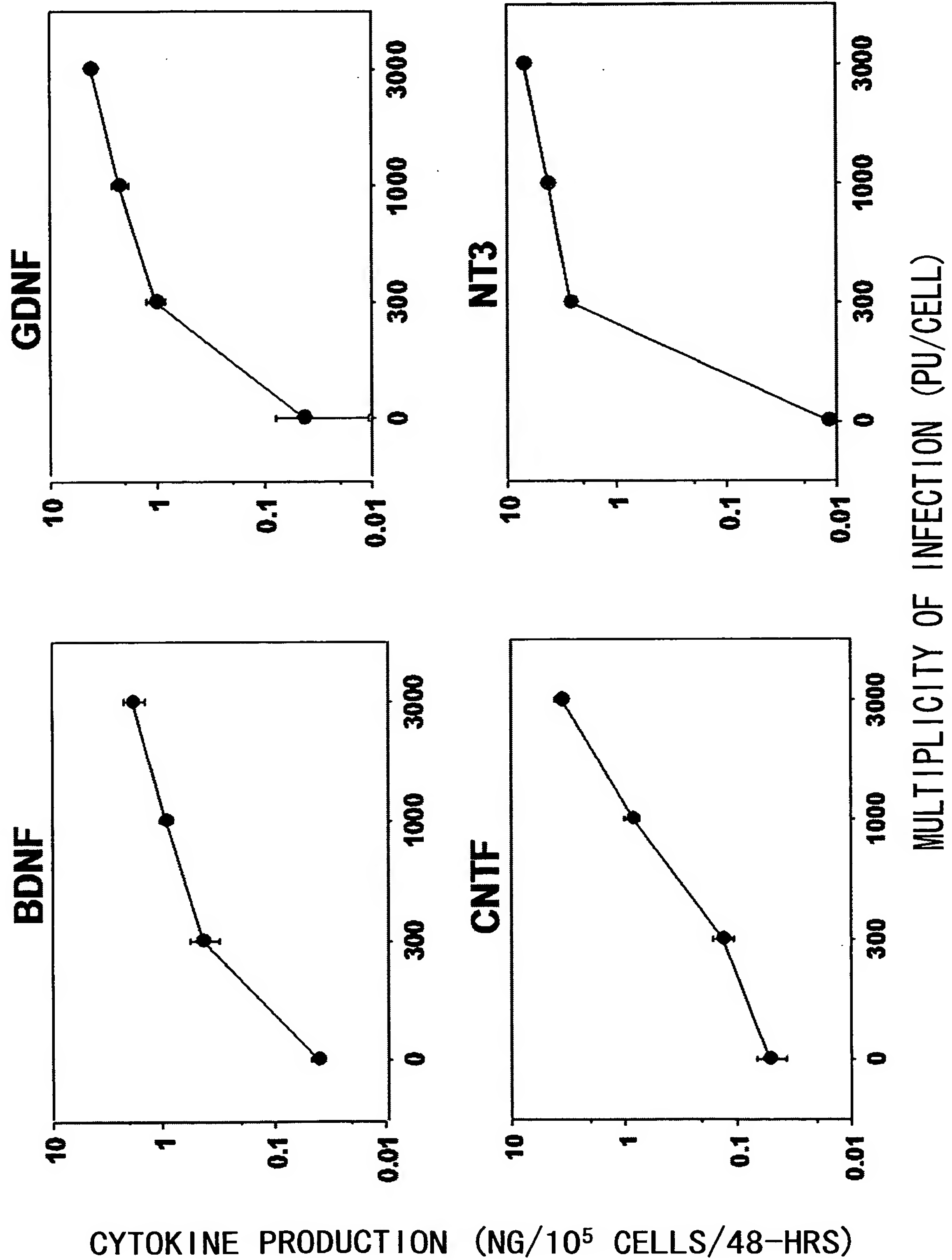
FIG. 38





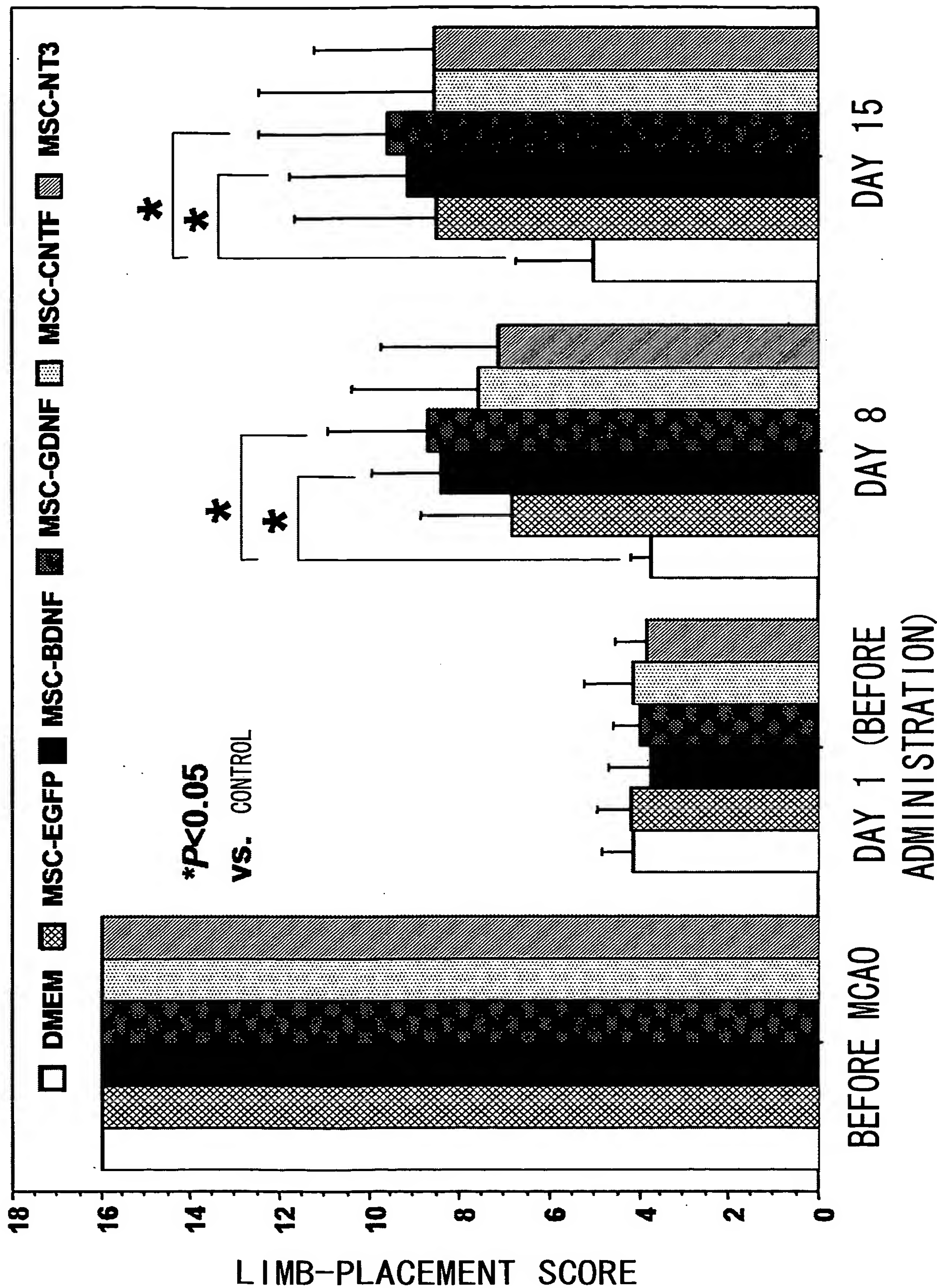
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FIG. 39



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FIG. 40



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FIG. 41

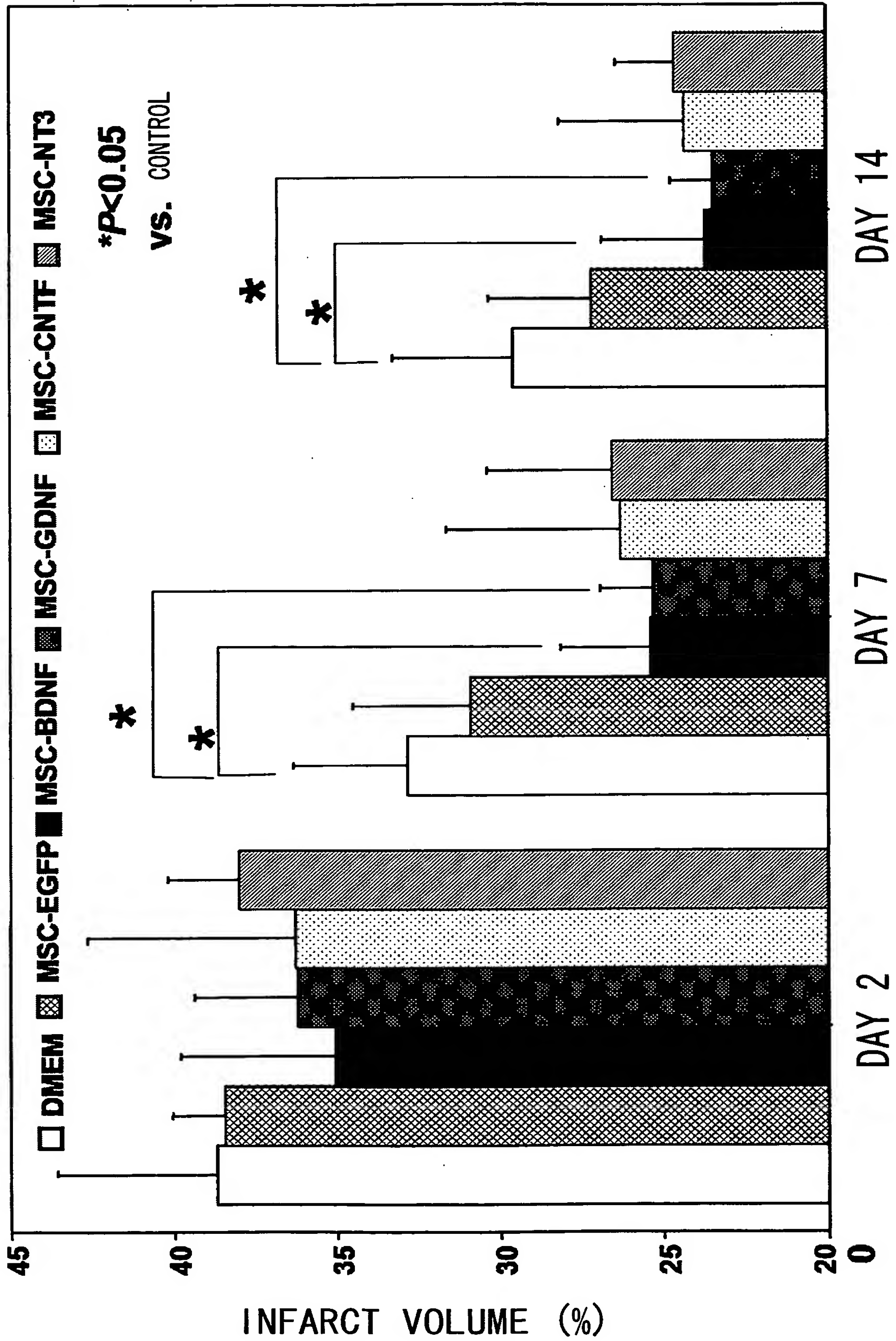
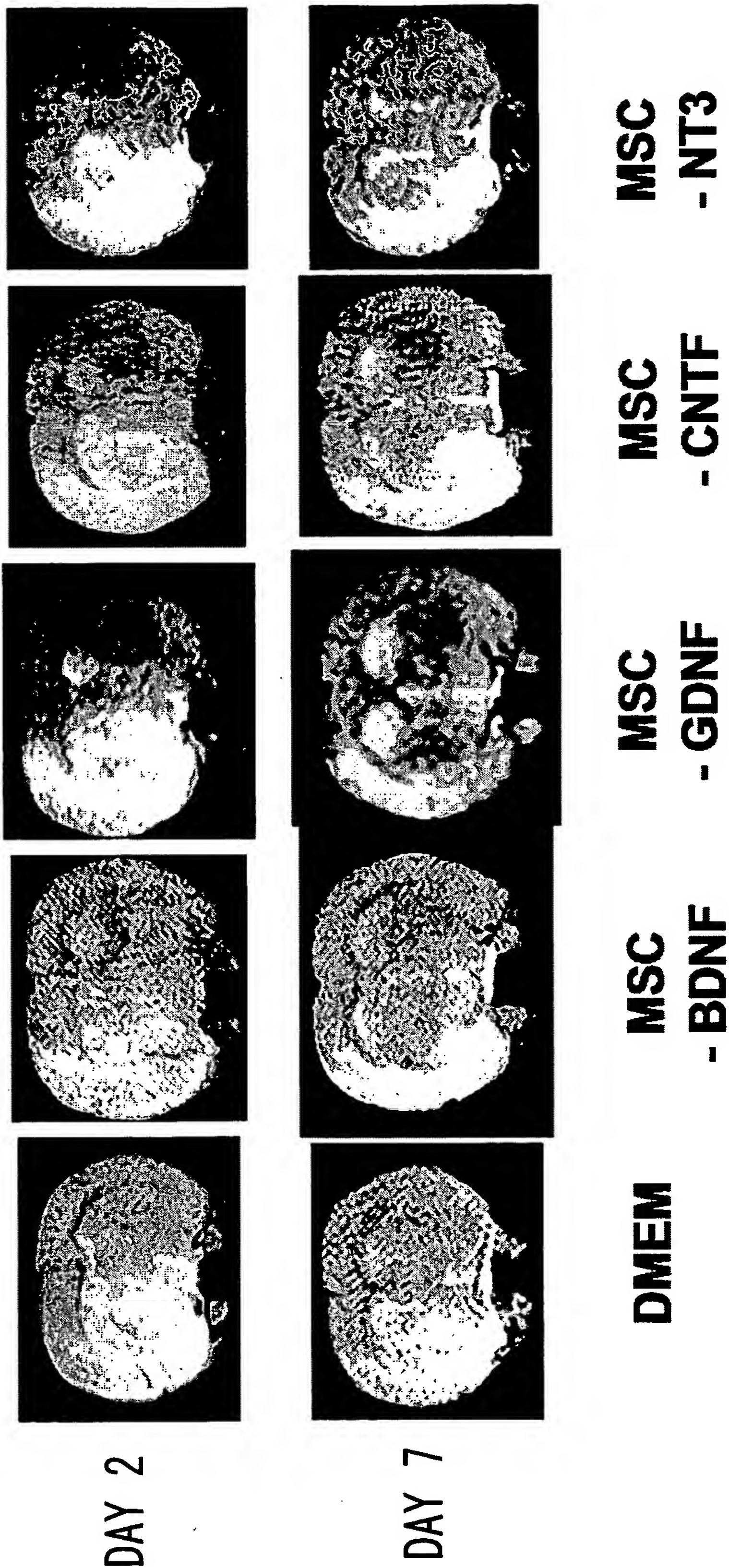




FIG. 42



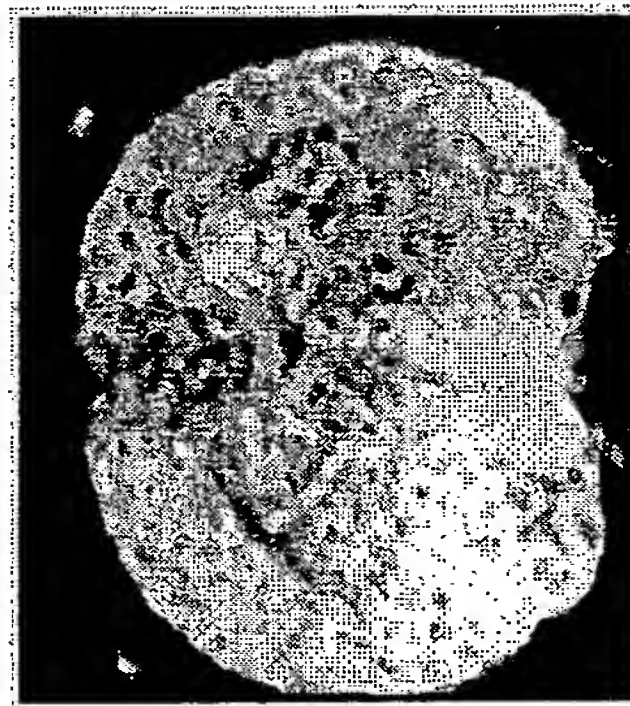
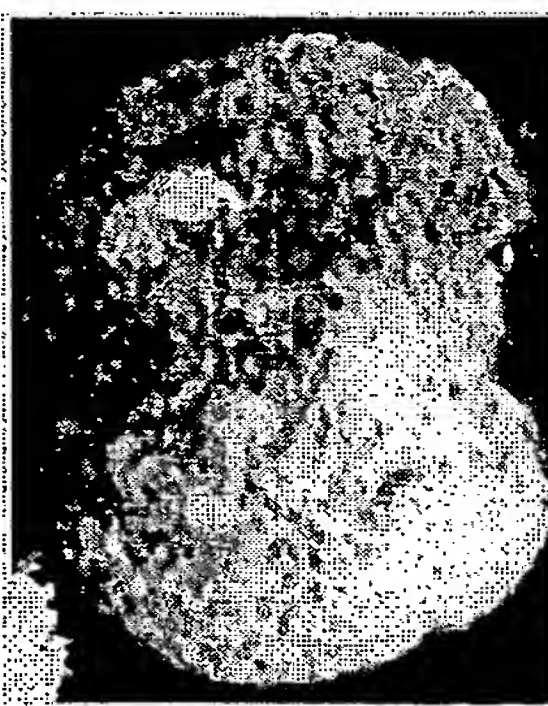
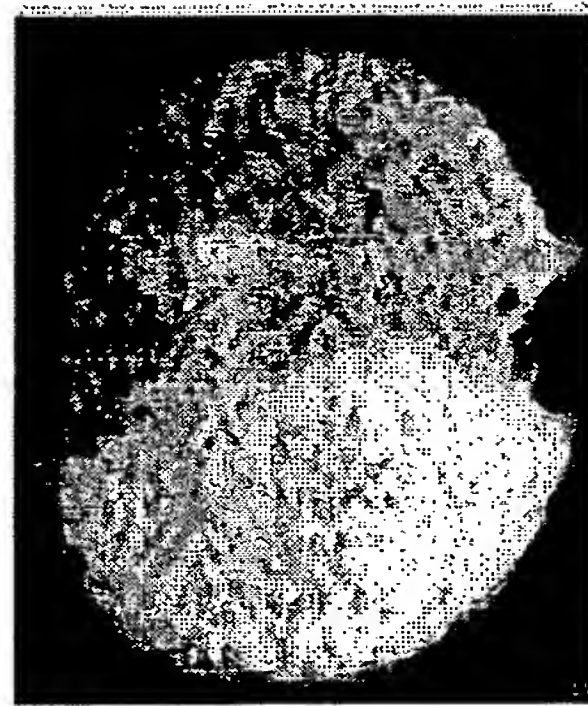
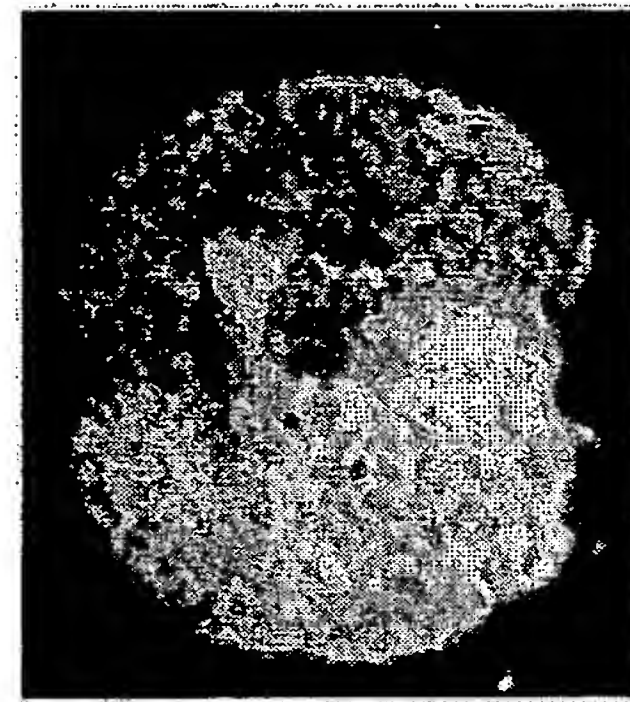
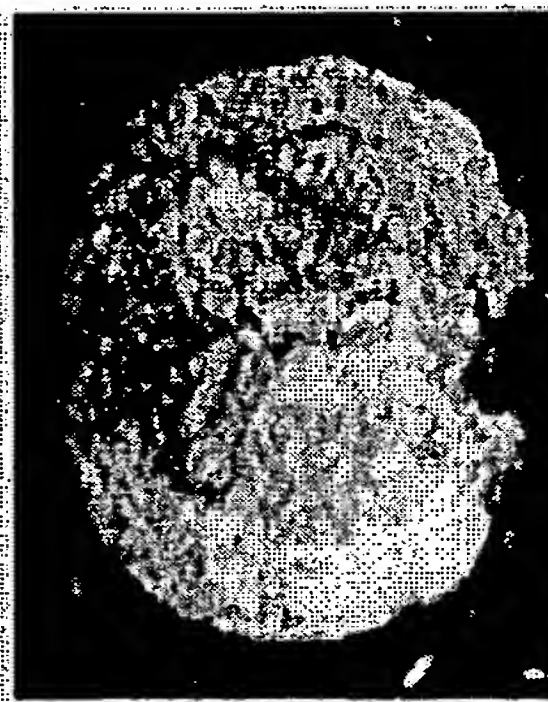
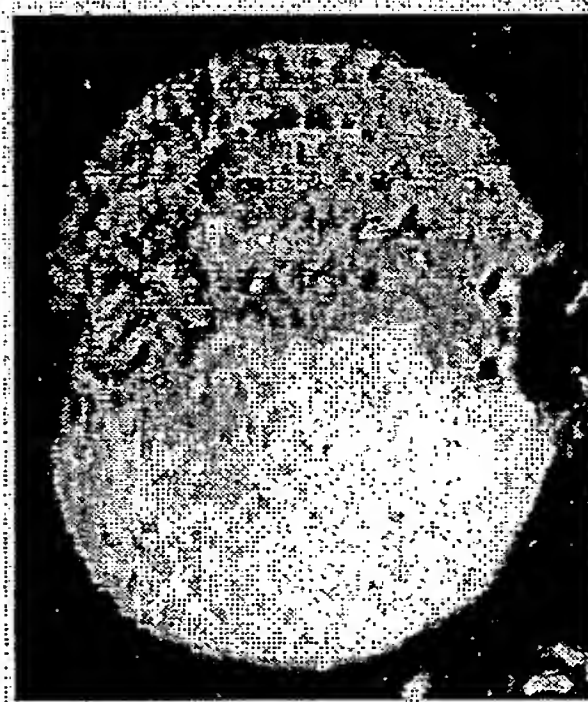
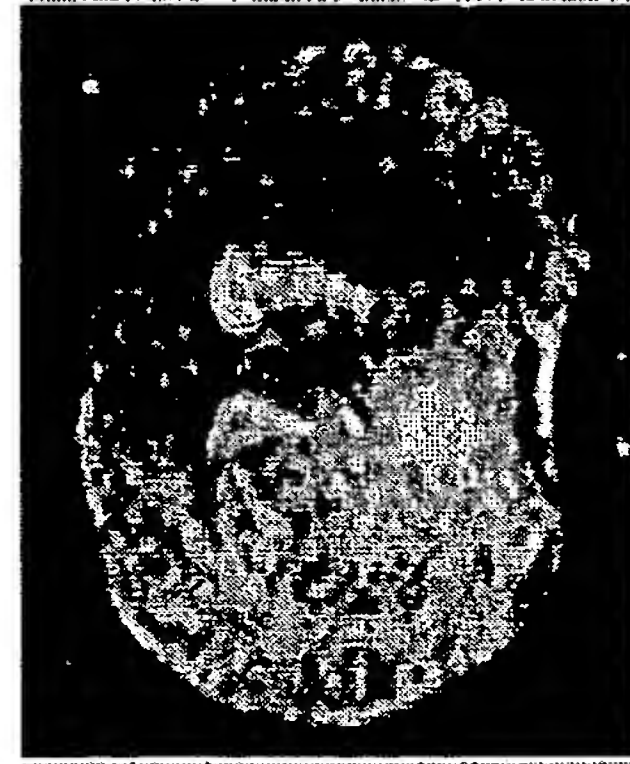
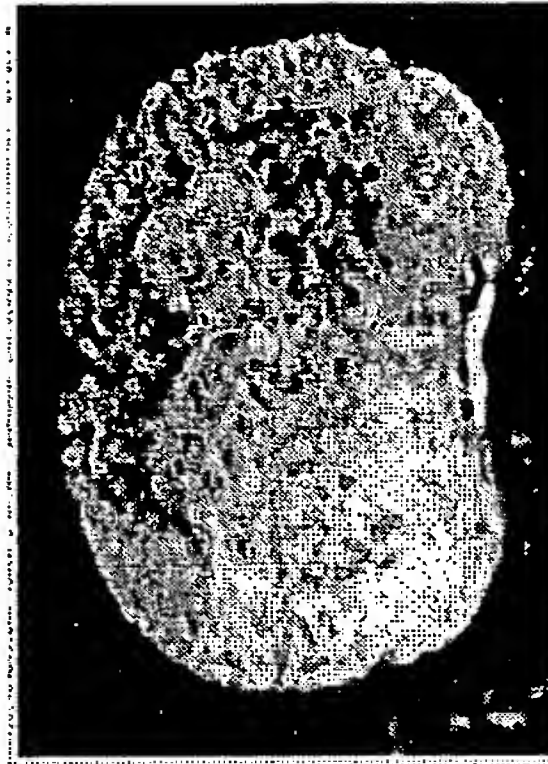
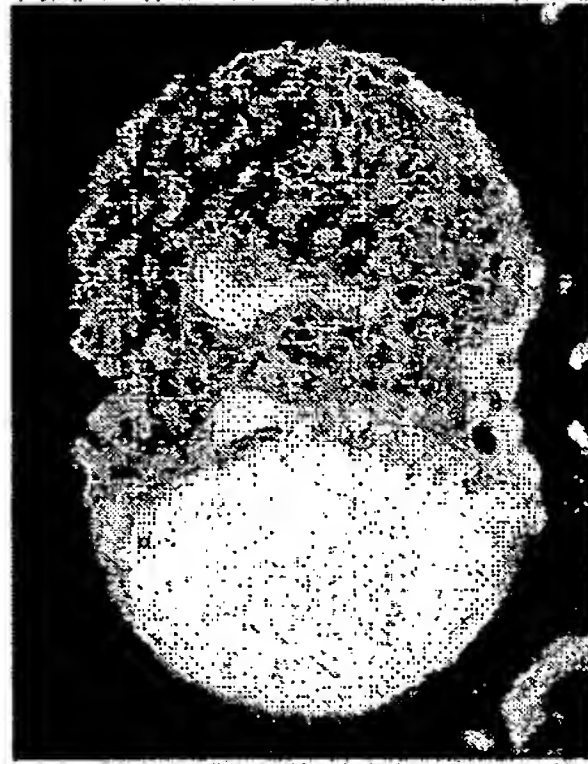
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# FIG. 43

7 DAYS LATER

72 HRS LATER

24 HRS LATER



CONTROL

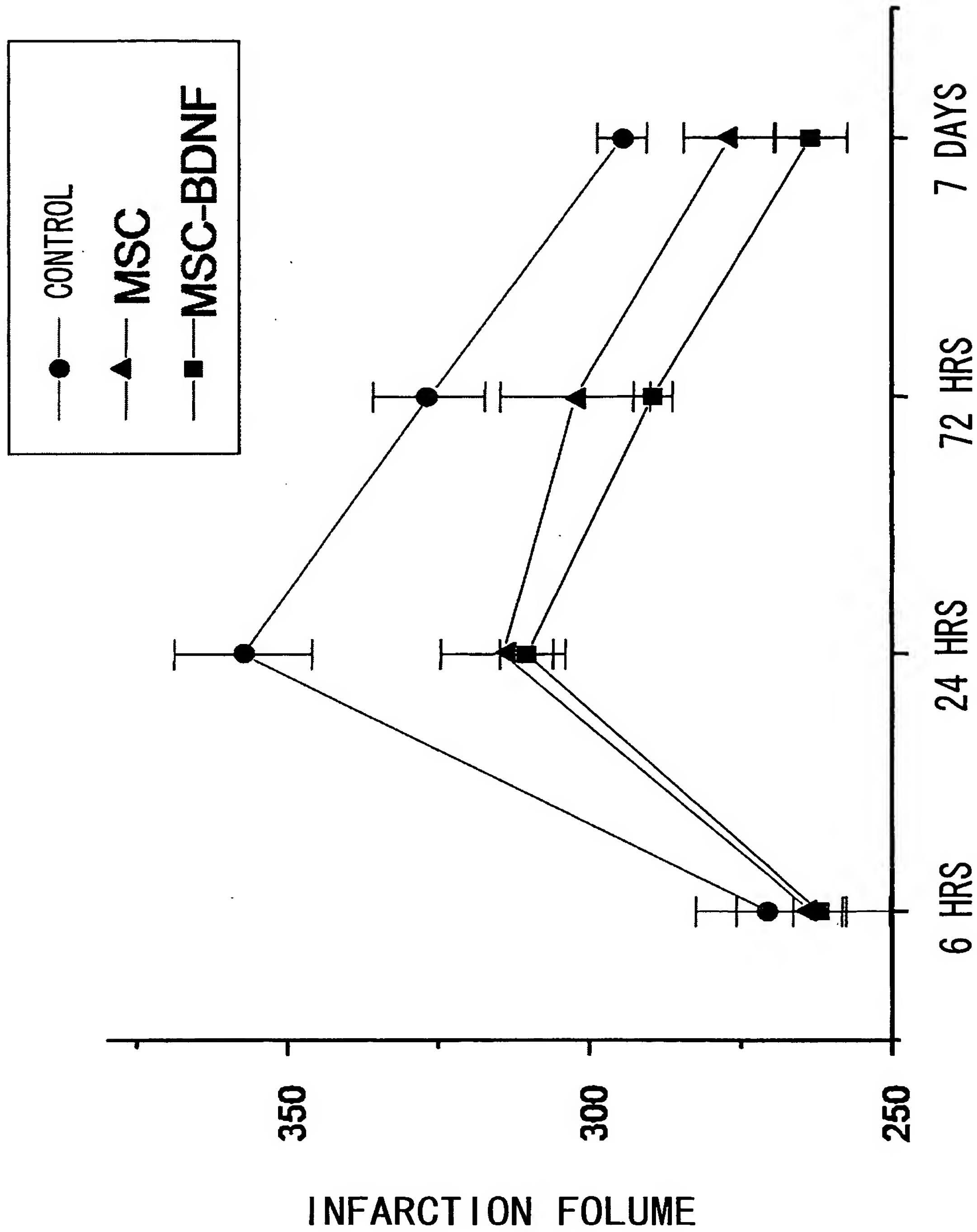
MSC

MSC-BDNF



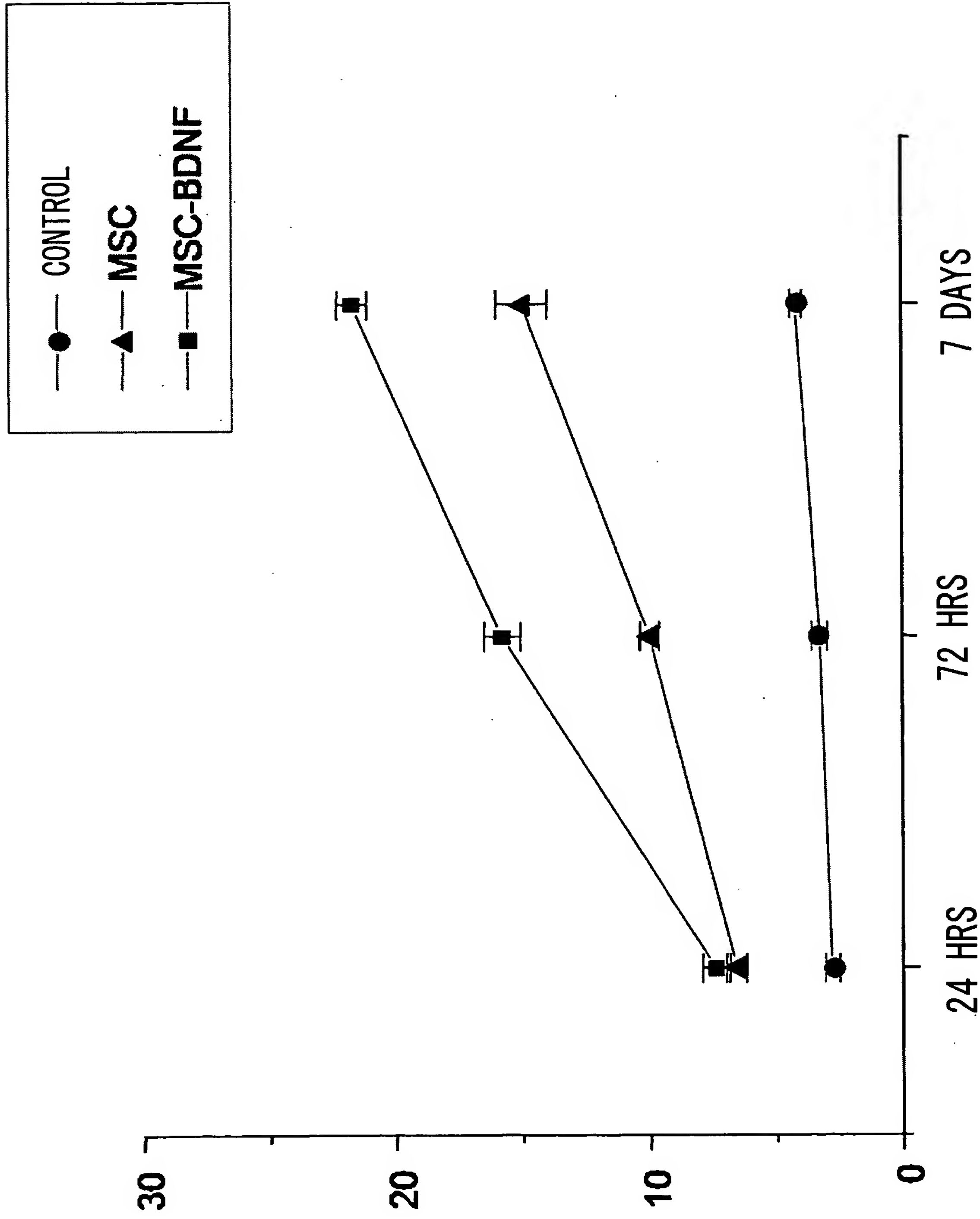
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FIG. 44



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FIG. 45





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FIG. 46

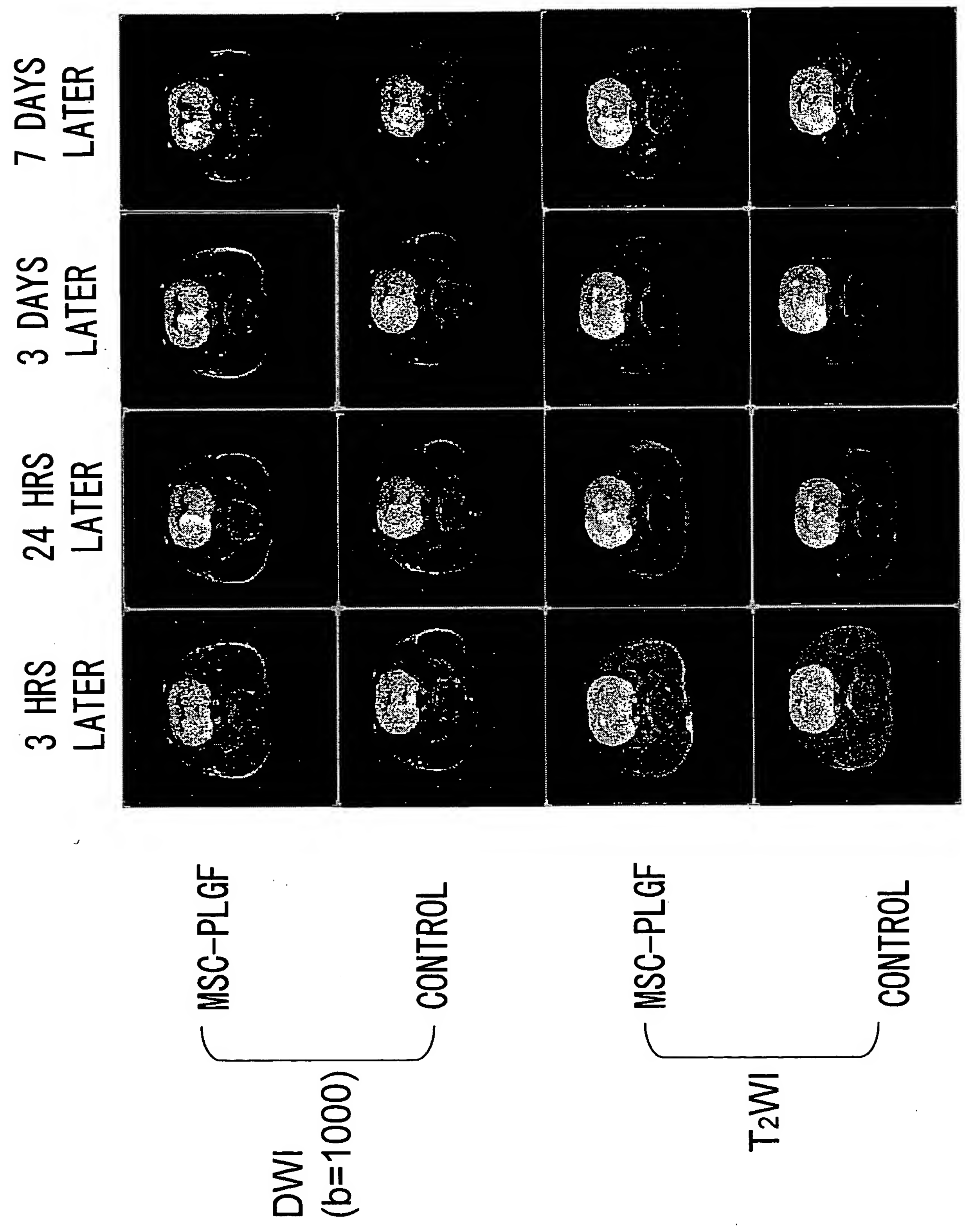
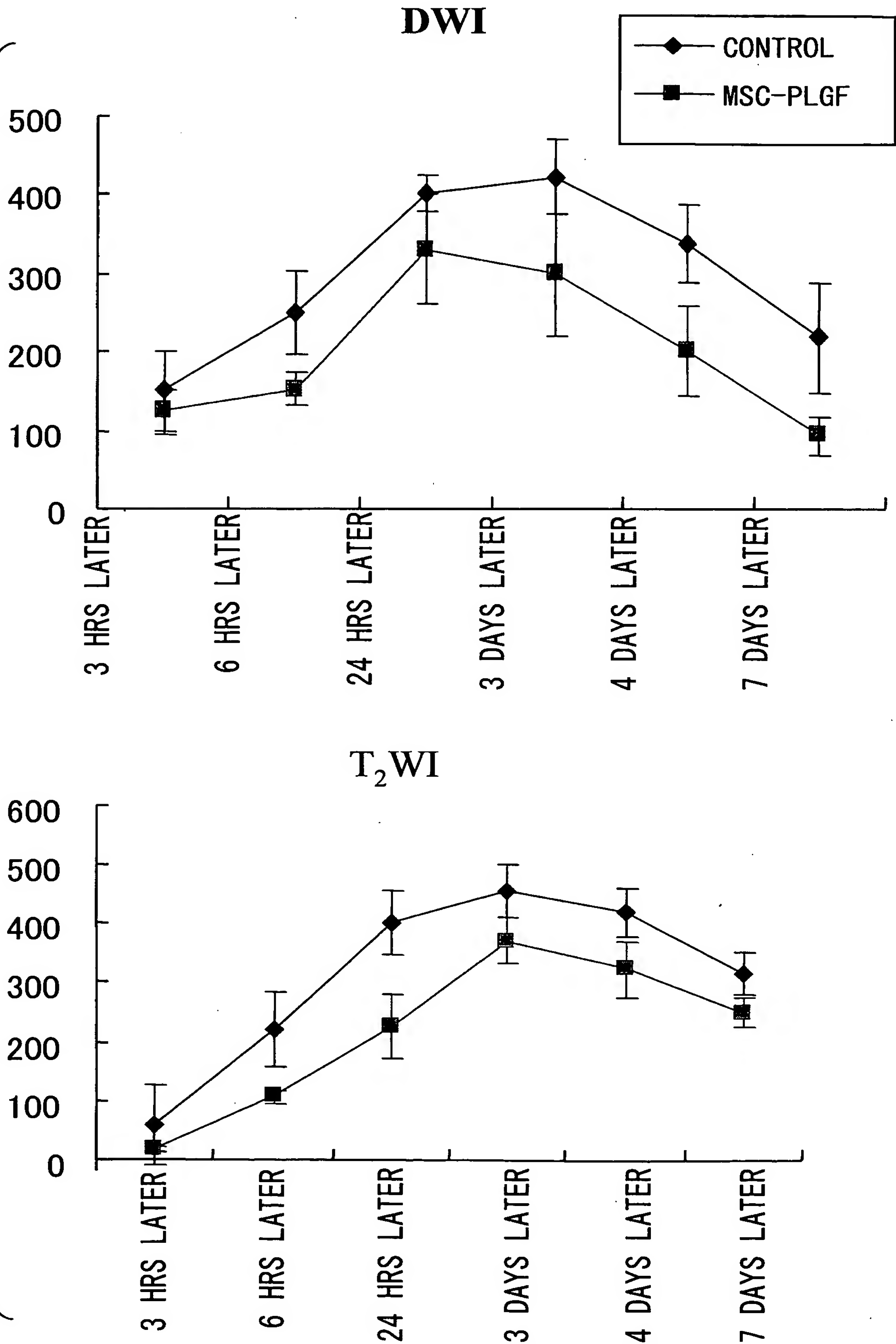


FIG. 47



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FIG. 48

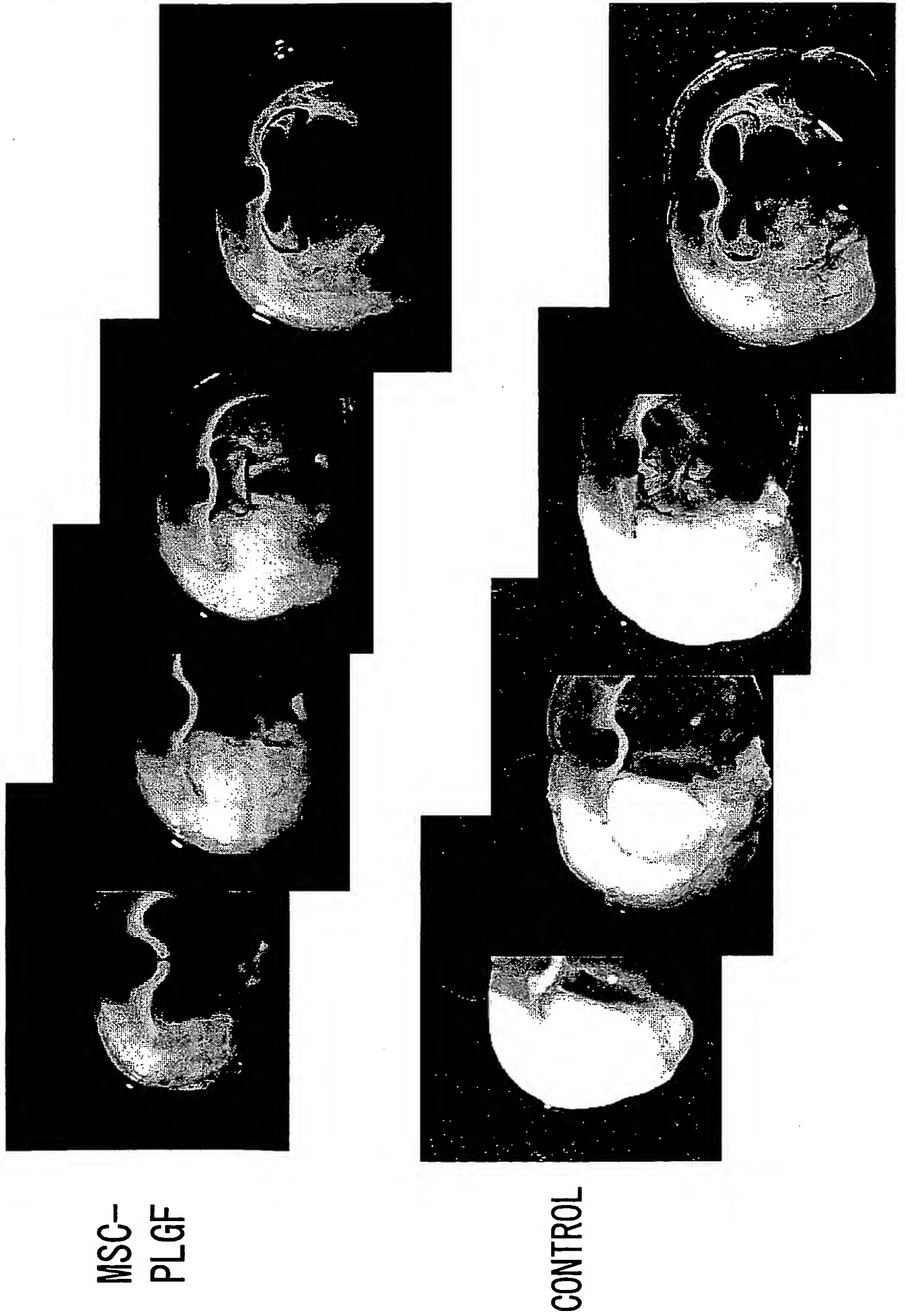
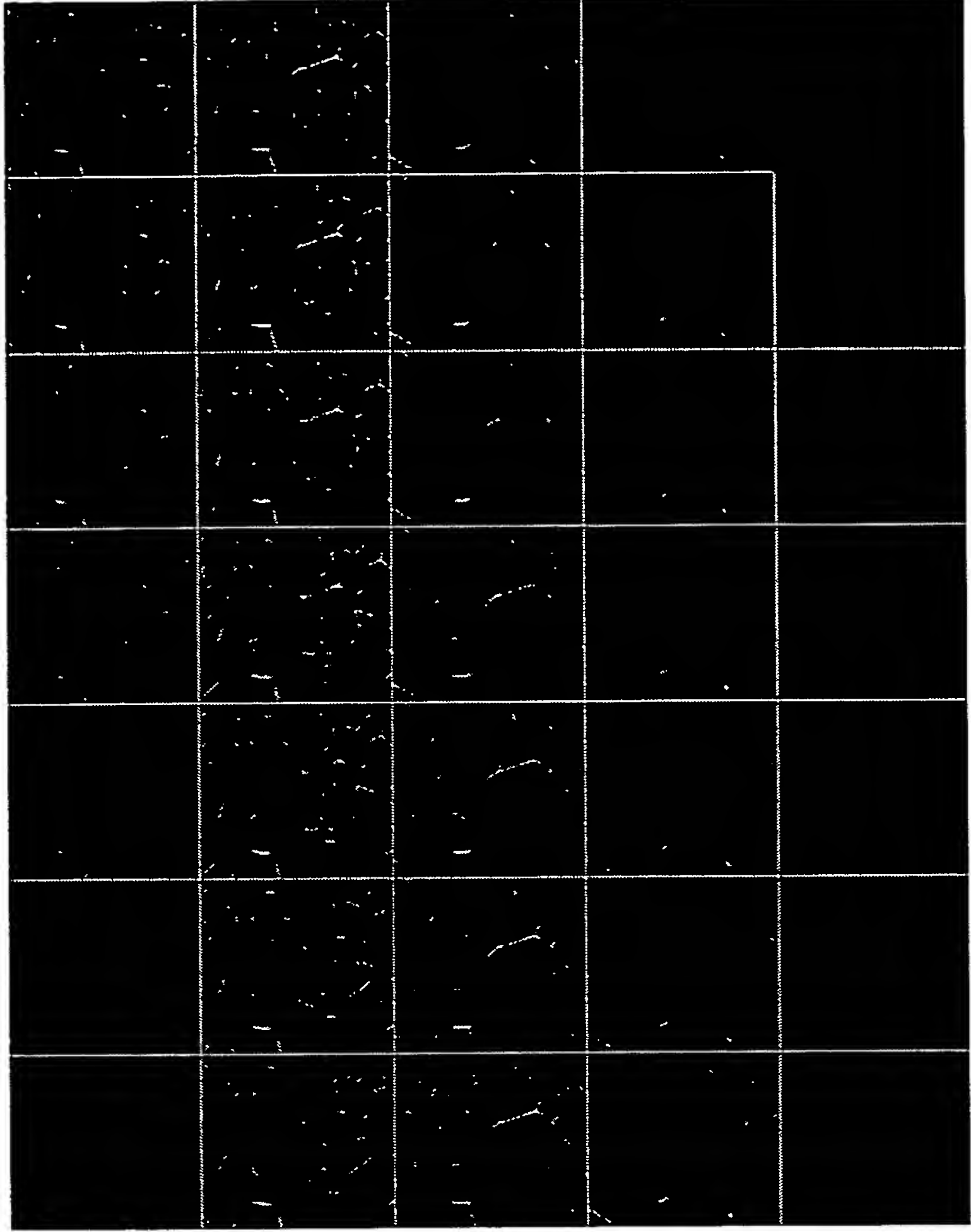
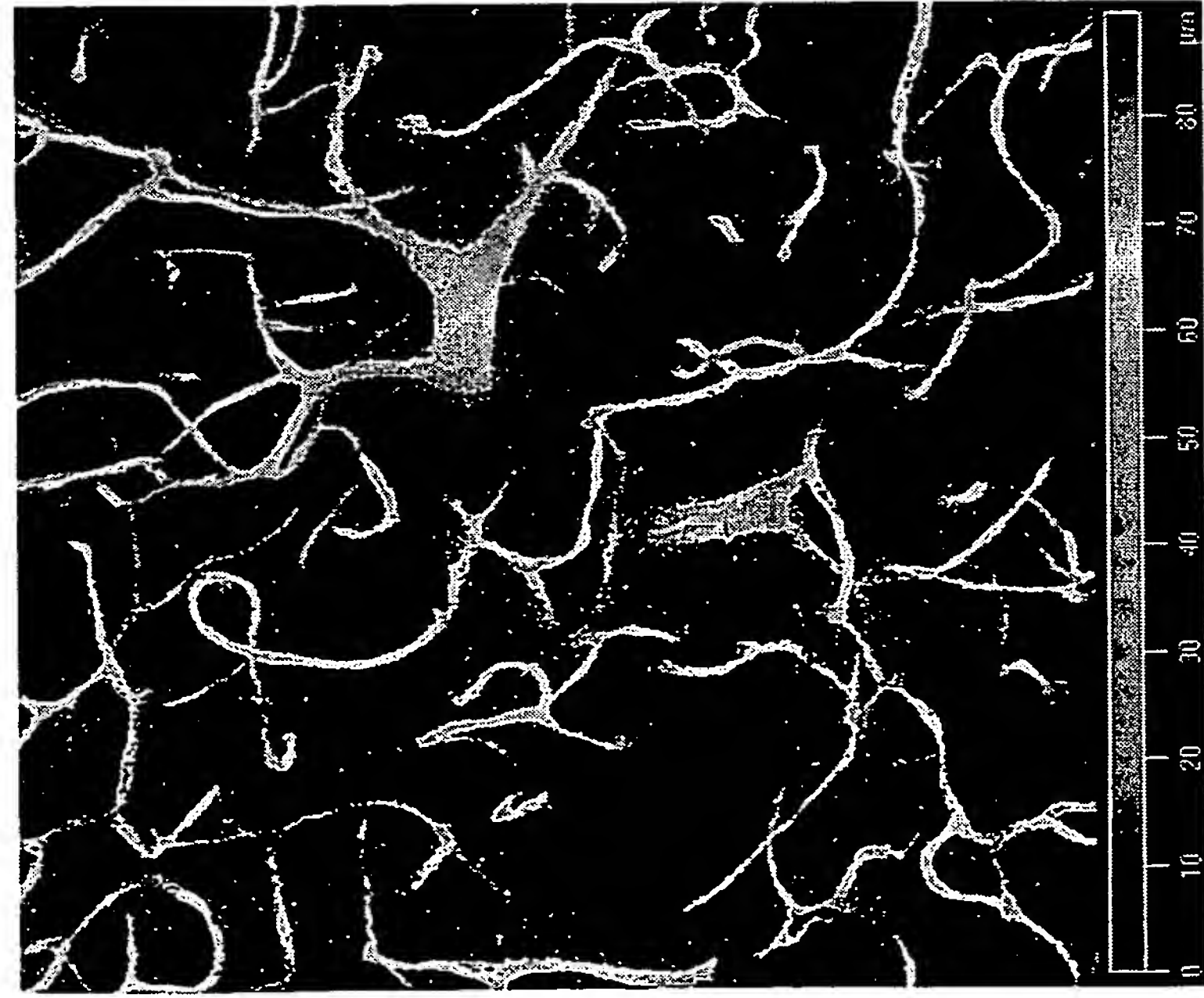


FIG. 49

EVANS BLUE

FITC



Title: INTERNALLY ADMINISTERED THERAPEUTIC AGENTS FOR  
CRANIAL NERVE DISEASES COMPRISING MESENCHYMAL CELLS  
AS AN ACTIVE INGREDIENT (As Amended)  
Inventor(s): Osamu HONMOU et al.  
DOCKET NO.: 033873-0108

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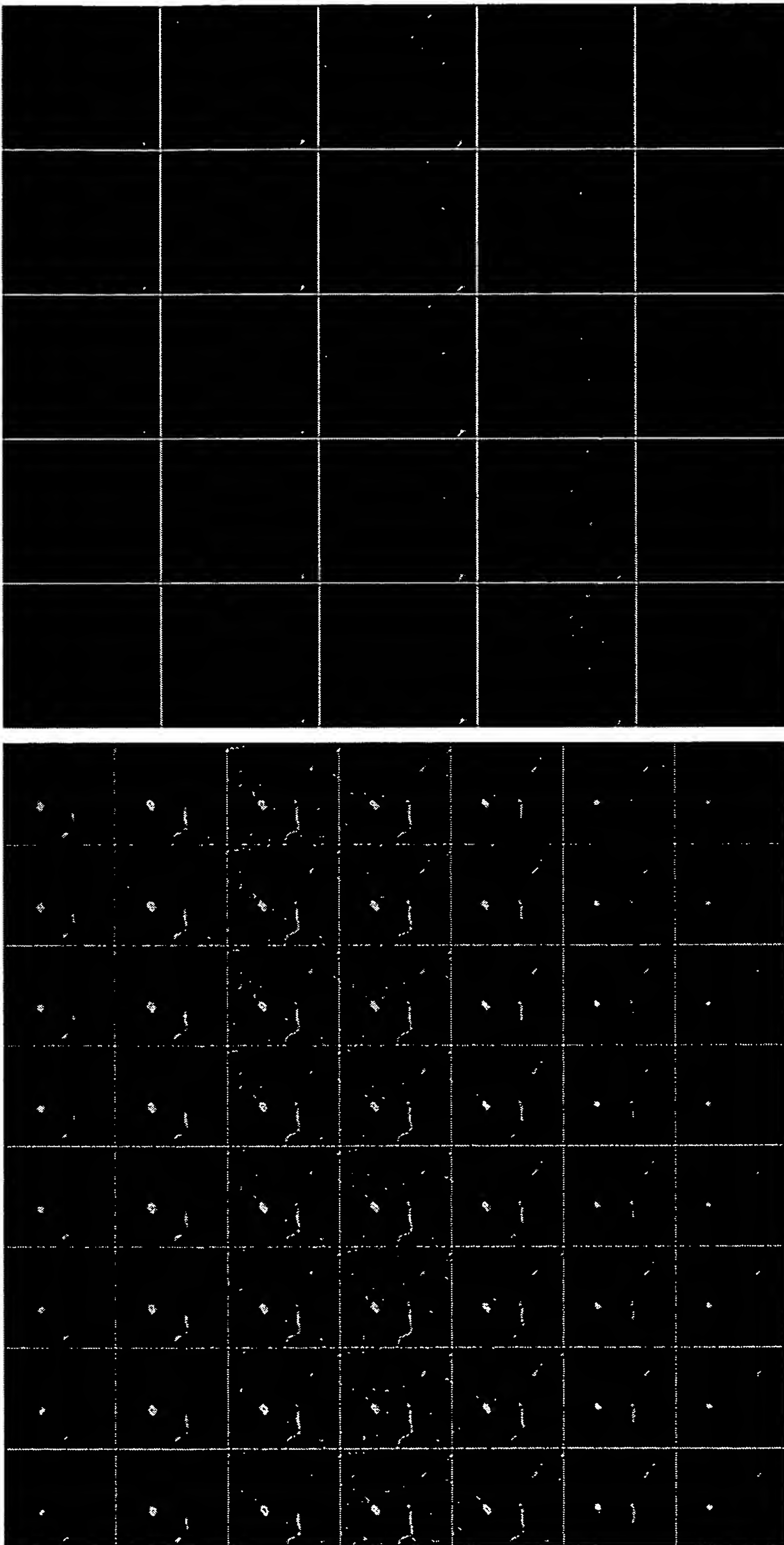


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FIG. 50

ANGIOPOIETIN

CONTROL



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FIG. 51

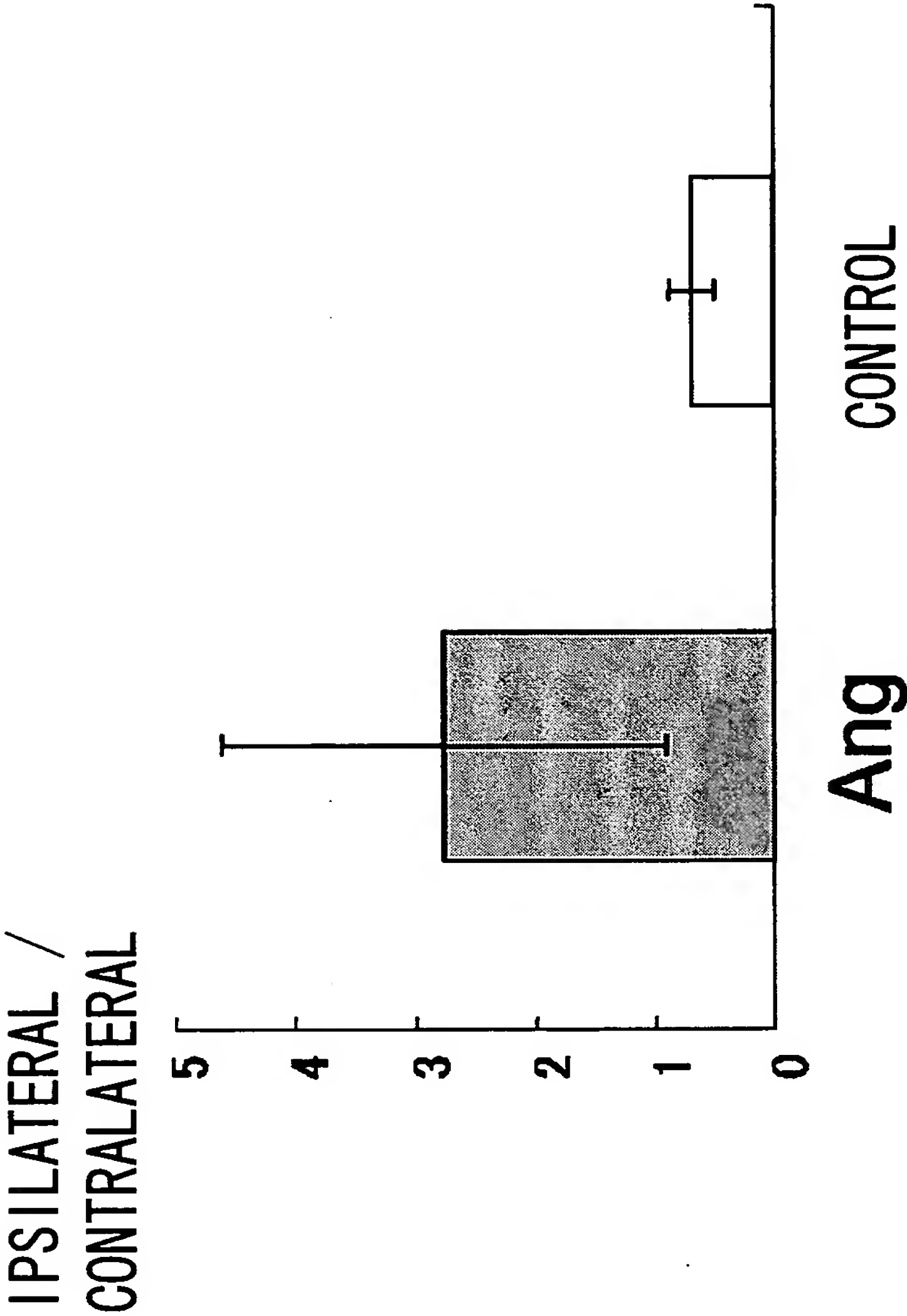
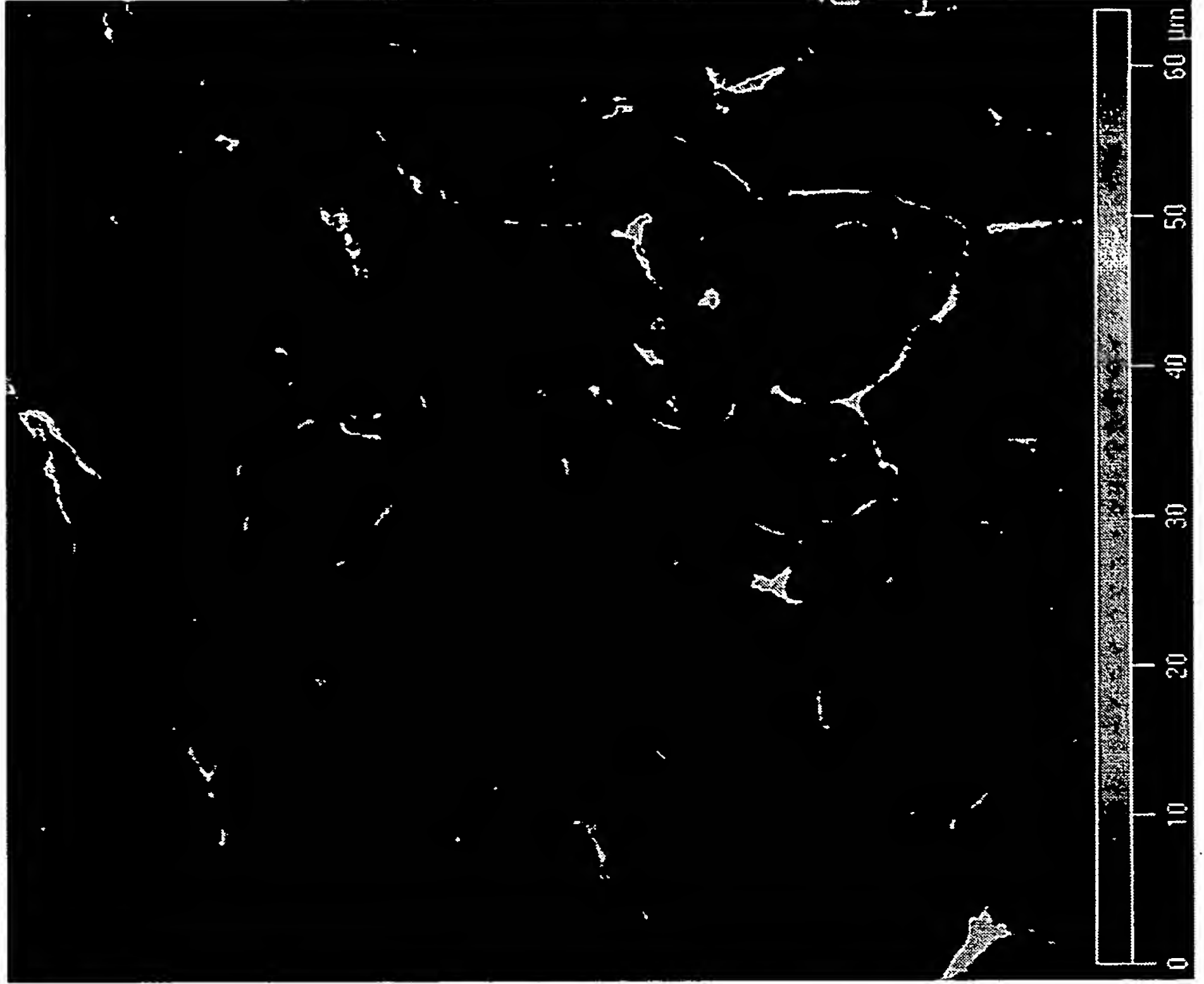
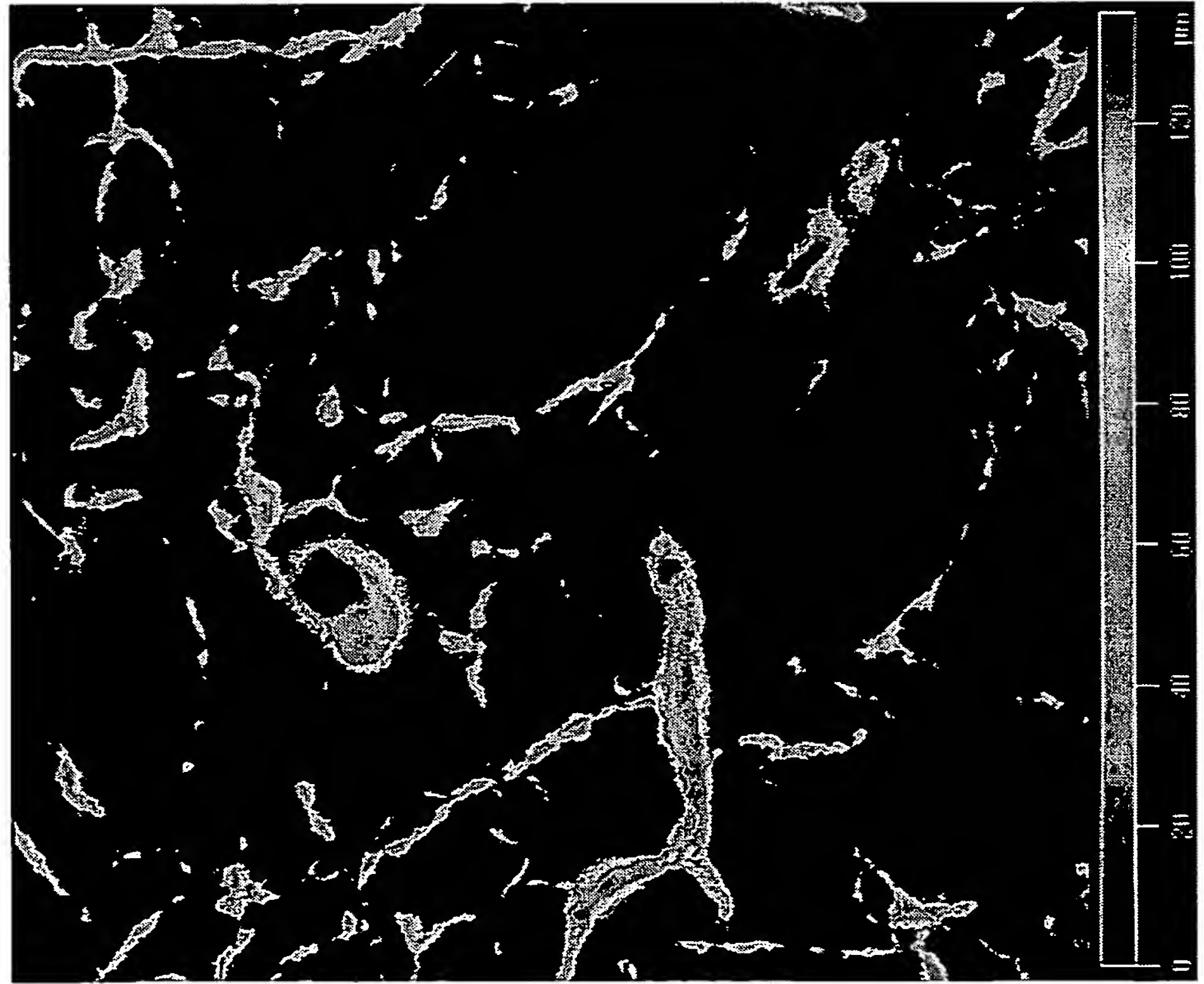


FIG. 52

ANGIOPOIETIN

CONTROL



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FIG. 53

